

2003-2004 CATALOGUE UPDATE



CONTROLS
TEMPERATURE
ENERGY



2003 CATALOGUE: PRODUCTS WITHDRAWN				2004 CATALOGUE: NEW AND/OR REPLACEMENT PRODUCTS			
Code	Euro	Page	Delivery	Code	Euro	Page	Delivery
DTC 618		1.6	WHILE STOCKS LAST	DTC 628		1.6	AVAILABLE
				AUTOMATION BOILERS			
				HEATING			
				DTT 318		2.17	AVAILABLE
				CTB 334		2.20	End/Off SEPTEMBER
				VARIOUS CONTROLLER			
				DDM 328		4.3	End/Off DECEMBER
				IPG 658		4.9	AVAILABLE
				ENERGY METER			
Tmax. 150 °C							
MSD G15-06		7.11	WHILE STOCKS LAST				
MSD G15-1,5		7.11	WHILE STOCKS LAST				
MSD G20-2,5		7.11	WHILE STOCKS LAST				
MSD G25-3,5		7.11	WHILE STOCKS LAST				
MSD G25-6		7.11	WHILE STOCKS LAST				
MSD G40-10		7.11	WHILE STOCKS LAST				
MSD F25-3,5		7.11	WHILE STOCKS LAST				
MSD F32-6		7.11	WHILE STOCKS LAST				
MSD F40-10		7.11	WHILE STOCKS LAST				
MSD F50-15		7.11	WHILE STOCKS LAST				
MSD F65-25		7.11	WHILE STOCKS LAST				
MSD F80-40		7.11	WHILE STOCKS LAST				
MSD F50-36		7.11	WHILE STOCKS LAST				
MSD F65-60		7.11	WHILE STOCKS LAST				
MSD F80-100		7.11	WHILE STOCKS LAST				
MSD F100-180		7.11	WHILE STOCKS LAST				
MSD F125-250		7.11	WHILE STOCKS LAST				
MSD F150-360		7.11	WHILE STOCKS LAST				
MSD F200-600		7.11	WHILE STOCKS LAST				
MSD F250-1000		7.11	WHILE STOCKS LAST				
				ACTUATORS			
CDZ 062		8.5	WHILE STOCKS LAST	CDR 061/S1		8.4	IS NO LONGER MANUFACT
CDZ 064		8.5	WHILE STOCKS LAST	CDK 062		8.5	AVAILABLE
CDZ 068		8.5	WHILE STOCKS LAST	CDK 064		8.5	AVAILABLE
				CDK 068		8.5	AVAILABLE
				VALVES			
XLG 340		8.7	WHILE STOCKS LAST	3-port ball			
XLG 350		8.7	WHILE STOCKS LAST	XLG 341		8.7	End/Off DECEMBER
				XLG 351		8.7	End/Off DECEMBER
				XDG 340		8.7	End/Off DECEMBER
				XDG 350		8.7	End/Off DECEMBER
				3-port threaded			
3G 3/4"		8.8	WHILE STOCKS LAST	VSG 320		8.8	AVAILABLE
3G 1"		8.8	WHILE STOCKS LAST	VSG 325		8.8	AVAILABLE
3G 1" 1/4		8.8	WHILE STOCKS LAST	VSG 332		8.8	AVAILABLE
3G 1" 1/2		8.8	WHILE STOCKS LAST	VSG 340		8.8	AVAILABLE
3G 2"		8.8	WHILE STOCKS LAST	VSG 350		8.8	AVAILABLE
				3-port threaded			
				VFG 320		8.8	AVAILABLE
				VFG 325		8.8	AVAILABLE
				VFG 332		8.8	AVAILABLE

2003 CATALOGUE: PRODUCTS WITHDRAWN				2004 CATALOGUE: NEW AND/OR REPLACEMENT PRODUCTS			
Code	Euro	Page	Delivery	Code	Euro	Page	Delivery
				VALVES			
				3-port threaded			
				VFG 340		8.8	AVAILABLE
				VFG 350		8.8	AVAILABLE
				3-port flanged			
3F DN 40		8.8	WHILE STOCKS LAST	VSF 340		8.8	AVAILABLE
3F DN 50		8.8	WHILE STOCKS LAST	VSF 350		8.8	AVAILABLE
3F DN 65		8.8	WHILE STOCKS LAST	VSF 365		8.8	AVAILABLE
3F DN 80		8.8	WHILE STOCKS LAST	VSF 380		8.8	AVAILABLE
3F DN 100		8.8	WHILE STOCKS LAST	VSF 3100		8.8	AVAILABLE
3F DN 125		8.8	WHILE STOCKS LAST	VSF 3125		8.8	AVAILABLE
3F DN 150		8.8	WHILE STOCKS LAST	VSF 3150		8.8	AVAILABLE
				VFF 340		8.8	AVAILABLE
				VFF 350		8.8	AVAILABLE
				VFF 365		8.8	AVAILABLE
				VFF 380		8.8	AVAILABLE
				VFF 3100		8.8	AVAILABLE
				VFF 3125		8.8	AVAILABLE
				VFF 3150		8.8	AVAILABLE
				4-port threaded			
4G 3/4"		8.8	WHILE STOCKS LAST	VFG 420		8.8	AVAILABLE
4G 1"		8.8	WHILE STOCKS LAST	VFG 425		8.8	AVAILABLE
4G 1"1/4		8.8	WHILE STOCKS LAST	VFG 432		8.8	AVAILABLE
4G 1"1/2		8.8	WHILE STOCKS LAST	VFG 440		8.8	AVAILABLE
4G 2"		8.8	WHILE STOCKS LAST	VFG 450		8.8	AVAILABLE
				4-port flanged			
4F DN 40		8.8	WHILE STOCKS LAST	VFF 440		8.8	AVAILABLE
4F DN 50		8.8	WHILE STOCKS LAST	VFF 450		8.8	AVAILABLE
4F DN 65		8.8	WHILE STOCKS LAST	VFF 465		8.8	AVAILABLE
4F DN 80		8.8	WHILE STOCKS LAST	VFF 480		8.8	AVAILABLE
4F DN 100		8.8	WHILE STOCKS LAST	VFF 4100		8.8	AVAILABLE
4F DN 125		8.8	WHILE STOCKS LAST	VFF 4125		8.8	AVAILABLE
4F DN 150		8.8	WHILE STOCKS LAST	VFF 4150		8.8	AVAILABLE
				DETECTORS			
SUR 012		9.5	WHILE STOCKS LAST	SUR 704		9.5	AVAILABLE
SUR 051		9.5	WHILE STOCKS LAST	SUT 714		9.5	AVAILABLE
				LGP 250		9.6	End/Off SEPTEMBER
				LGP 500		9.6	End/Off SEPTEMBER
				TELEMANAGEMENT			
ACE 232		10.4	WHILE STOCKS LAST	GSM 713		10.4	AVAILABLE
ARE 232		10.4	WHILE STOCKS LAST	GSM 714		10.4	AVAILABLE
CMC 318		10.5	IS NO LONGER MANUFACT.	GSM 622		10.4	AVAILABLE
				ACB 232/S1		10.6	AVAILABLE
				ARE 732		10.6	AVAILABLE
				UBF 348		10.9	AVAILABLE
				UML 318		10.9	End/Off SEPTEMBER
UMM 348		10.8	WHILE STOCKS LAST	ULT 3..		10.10	AVAILABLE
				UMF 348		10.10	AVAILABLE
				UCO 318		10.10	AVAILABLE
				PRS 332		10.11	AVAILABLE

PRODUCTS INCLUDED

AUTOMATION BOILERS

TEMPERATURE CONTROLLER FOR MODULATING BURNERS

DTC 628

C ← BUS

C ← RING



APPLICATION

Designed for temperature control of a boiler with modulating 3-wire burner.

Also suitable for modulating condensation boilers.

C-Bus compatible.

C-Ring compatible.

Essential detectors: 1 boiler detector.

Optional detectors: 1 outside detector, 1 flue gases detector.

FEATURES

- Power supply: 230 V~; Consumption: 5 VA; DIN 105 x 115 modular case; Protection: IP 40.
- Digital programming by means of 4 operating keys and alphanumeric display.
- Boiler temperature control:
 - Variable: according to temperature requested by DHW/heating/etc circuits.
 - Compensated: in relation to outside temperature with desired room temperature Normal 1 ... 5, Setback 1-2, Frost protection;
 - Fixed Point with desired Flop temperature Flow 1-2.
 - By remote control with choice between: Off, Frost Protection, Room Normal 1, Room Setback 1, Flow 1.
 - Minimum and maximum limits boiler temperature.
- Control of burner by On-Off and 3-wire modulating (common - increases - decreases).
- On-Off control of boiler shut-off valve.
- On-Off control of pump (boiler, manifold, heating plant).
- Timed events programming with seven 24hour and two 7-day programmes.
- Programming with dates with 25 annual periods, one Special period and heating season.
- Automatic switching Greenwith Mean Time (GMT) to British Summer (BST).
- Eco Off.
- 4 ON-Off inputs: - 3 for signalling alarms or status; - 1 for signalling burner lockout.
- 1 input for measurement temperature flue gases.
- Alarms for controller fault and for short or open detector circuits.

Code	Description	Data sheet
DTC 628	Temperature controller for a modulating burner.	A 510

DETECTORS AND ACCESSORIES

Code	Description	Use range	Sensing element	Data sheet
SIH 010	Immersion temperature detector.	0...99 °C	NTC 10 kΩ	N 140
SAE 001	Outside temperature detector.	-30...40 °C	NTC 1 kΩ	N 120
STF 001	Flue gases temperature detector.	0...500 °C	Pt 1 kΩ	N 165
CDB 301	Remote control for chancing programme (DIN 3 container).	–	–	N 711

HEATING

SUMMER TEMPERATURE COMPENSATOR FOR RTB 645 CONTROLLERS

CTB 334

Delivery End/Off SEPTEMBER



APPLICATION

Maintains a constant difference between room and outside temperatures in the summer period.

FEATURES

- Power supply: 24 V~; Consumption: 3 VA; DIN 53 x 115 modular enclosure; Protection: IP 40.
- Can compensate up to maximum 30 RTB 645 controllers connected in parallel.

Code	Description	Data sheet
CTB 334	Summer temperature compensator for RTB 645 controllers.	B 524

DETECTORS & ACCESSORIES

Code	Description	Application range	Sensing element	Data sheet
SAE 001	Outside temperature detector.	-30 ... 40 °C	NTC 1 kΩ	N 120

HEATING

FIXED POINT CONTROLLER FOR DISTRICT HEATING

DTT 318

C ← BUS



APPLICATION

Designed for fixed point control of secondary temperature in district heating sub-stations comprising one heat exchanger with mixing valve on primary.
Communication with telemanagement systems via C-Bus parallel connection.

Essential detectors: 1 detector secondary flow.

Optional accessories: 1 detector primary return.

FEATURES

- Power supply: 230 V~; Consumption: 3 VA; Enclosure: DIN 53 x 115; Protection: IP 40.
- Digital programming by means of four operating keys and 3-figure display.
- Control secondary flow temperature at fixed point.
 - Modulating control (3-wire) or On-Off in two stages or On-Off proportional in one stage.
 - Valve opening limitation for maximum limit return temperature primary return circuit.
- Season switching by external swith.

Code	Description	Data sheet
DTT 318	Fixed point controller for district heating sub-stations.	B 282

DETECTORS & ACCESSORIES

Code	Description	Range	Sensing element	Data sheet
SIH 010	Immersion temperature detector (secondary flow, primary return).	0...99 °C	NTC 10 kΩ	N 140
CDB 100	Set-point adjuster.	-5 ... +5 °C	–	–

VARIOUS CONTROLLERS

DIFFERENTIAL CONTROLLER FOR TWO TEMPERATURES OR TWO 0...10 V– SIGNALS

DDM 328 Delivery End/Off DECEMBER

C ← BUS



APPLICATION

- Suitable for (example):
- Control diffusors according to flow/room temperature differential.
 - Control dampers according to outside/room humidity differential.
 - Control pump according to flow/room temperature differential.

Communication with telemanagement systems via C-Bus parallel connection.

Essential detectors: two NTC 10 kΩ temperature detectors or two 0...10 V– detectors.

FEATURES

- Power supply: 230 V~; Consumption: 3 VA; Enclosure: DIN 53 x 115; Protection: IP 40.
- Digital programming by means of 4 operating keys and three-figure display.
- Modulating control (three-wire) or On-Off in two stages or On-Off for minimum and maximum limits.
- Progressive 0...10 V– control.

Code	Description	Data sheet
DDM 328	Controller for differential between two temperatures or two 0...10 V– signals.	D 156

DETECTORS & ACCESSORIES

Code	Description	Application range	Sensing elem. or signal	Data sheet
SIH 010	Immersion temperature detector.	0...99 °C	NTC 10 kΩ	N 140
SAB 010	Room temperature detector.	0...40 °C	NTC 10 kΩ	N 111
STA 010	Air duct temperature detector.	0...99 °C	NTC 10 kΩ	N 150
SUR 012	Air duct relative umidity detector.	20...80 %	0...10 V–	N 220
SUR 051	Air duct relative umidity detector (for swimming pools).	10...90 %	0...10 V–	N 220
SAU 012	Room relative humidity detector.	20...80 %	0...10 V–	N 225

VARIOUS CONTROLLERS

SEQUENCER FOR PUMPS OR ELECTRIC LOADS

IPG 658

C ← BUS



APPLICATION

Designed for:

- Sequencing max 5 pumps by an On-Off or 0...10 V– control signal with timed rotation of the pumps used and automatic replacement of faulty ones.
- Sequency max 5 electric loads according to total energy consumption (0...10 V– control). Option of increasing number of loads controlled by using several IPG 658 and multiplying the control signal by means of CSC 328 convertors.

Communication by telemanagement system using parallel C-Bus connection.

FEATURES

- Power supply: 230 V~; Consumption: 5 VA; Enclosure: DIN 105 x 115; Protection: IP 40.
- Digital programming by means of 4 operating keys and 3-figure display.
- 5 On-Off relay outputs to control pumps or electric loads.
- 1 On-Off relay output for signalling alarm.
- 1 input for On-Off or 0...10 V– control signal.
- 2 On-Off inputs for each output used for acquisition lockout and confirmation operation. The inputs regarding possible unused outputs can be used to signal alarms or status.

Code	Description	Data sheet
IPG 658	Sequencer for max 5 pumps or electric charges.	D 614

VALVES

3-PORT SCREWED FEMALE BALL VALVES PN 6 (–15 ... +120 °C)

XLG 3..

APPLICATION

Designed for zoned, solar, DHW production, chilled water, etc plants.



FEATURES

- Chromed brass body and ball; Teflon and Viton seals.
- Fluid temperature: +5 ... +120 °C (with CRB, CVC & CVH); down to –15 °C (with CVC /T & CVH /T).

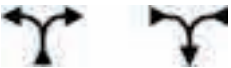
Code	DN	Kvs ⁽¹⁾ m ³ /h	Suitable actuators			Data sheet
			CRB - CVC	CVH 11	CVH 63./21./05.	
			thr-port	by-pass		
			bar ⁽²⁾	bar ⁽²⁾	bar ⁽²⁾	
XLG 315	1/2"	16.3	6	6	6	M 916
XLG 320	3/4"	29.5	6	6	6	M 916
XLG 325	1"	43	6	6	6	M 916
XLG 332	1"1/4	89	6	6	6	M 916
XLG 341	1"1/2	160	–	6	6	M 916
XLG 351	2"	265	–	–	6	M 916

3-PORT SCREWED FEMALE BALL VALVES PN 6 (–15 ... +120 °C)

XDG 3..

APPLICATION

Designed for zoned, solar, DHW production, chilled water, etc plants.



FEATURES

- Chromed brass body and ball; Teflon and Viton seals.
- Fluid temperature: +5 ... +120 °C (with CRB, CVC & CVH); down to –15 °C (with CVC /T & CVH /T).

Code	DN	Kvs ⁽¹⁾ m ³ /h	Suitable actuators			Data sheet
			CRB - CVC	CVH 11	CVH 63./21./05.	
			bar ⁽²⁾	bar ⁽²⁾	bar ⁽²⁾	
XDG 315	1/2"	3.9	6	6	6	M 918
XDG 320	3/4"	7.9	6	6	6	M 918
XDG 325	1"	13	6	6	6	M 918
XDG 332	1"1/4	20.7	6	6	6	M 918
XDG 340	1"1/2	38.7	–	6	6	M 918
XDG 350	2"	54	–	–	6	M 918

(1) : Kvs – Flow coefficient: Flow in m³/h with valve open and pressure drop of 100 kPa.

100 kPa = 10 mWG = 1 bar

(2) : bar = Maximum pressure differential (Δp max) permitted by actuator.

VALVES

3- AND 4-PORT SLIPPER & BUTTERFLY VALVES PN 6 (10 ... 110 °C)

VSG ... - VSF ... - VFG ... - VFF ...

APPLICATION

Used as mixing or diverting valves to control temperature of circulating water in heating plants.



FEATURES

- Body and rotor in GG25 cast iron; spindle in stainless steel.
- Connections: DN 3/4" ... 2" threaded female; DN 40 ... 150 flanged.
- Rotation angle 90°; Linear control; Let by ≤ 1.5 % Kvs.

Code	DN	Kvs ⁽¹⁾ m ³ /h	Rotor ⁽³⁾	Length ⁽⁴⁾ mm.	Suitable actuators			Data sheet
					CVC	CVH	CVF	
3-port thre.d								
	inches				bar ⁽²⁾	bar ⁽²⁾	bar ⁽²⁾	
VSG 320	3/4"	13	slipper	130	0.3	0.5	–	M 931
VSG 325	1"	13	slipper	130	0.3	0.5	–	M 931
VSG 332	1"1/4	19	slipper	142	0.2	0.5	–	M 931
VSG 340	1"1/2	29	slipper	160	0.2	0.5	–	M 931
VSG 350	2"	57	slipper	190	0.2	0.5	–	M 931
3-port flanged								
	mm							
VSF 340	40	29	slipper	180	0.2	0.5	–	M 931
VSF 350	50	57	slipper	200	0.2	0.5	–	M 931
VSF 365	65	81	slipper	230	–	0.4	–	M 931
VSF 380	80	170	slipper	250	–	0.4	–	M 931
VSF 3100	100	240	slipper	280	–	0.3	0.5 ⁽⁵⁾	M 931
VSF 3125	125	470	slipper	300	–	–	0.5	M 931
VSF 3150	150	700	slipper	350	–	–	0.5	M 931
4-port thre.d								
	inches							
VFG 420	3/4"	13	butterfly	130	0.3	0.5	–	M 931
VFG 425	1"	13	butterfly	130	0.3	0.5	–	M 931
VFG 432	1"1/4	19	butterfly	142	0.2	0.5	–	M 931
VFG 440	1"1/2	29	butterfly	160	0.2	0.5	–	M 931
VFG 450	2"	57	butterfly	190	0.2	0.5	–	M 931
4-port flanged								
	mm							
VFF 440	40	29	butterfly	180	0.2	0.5	–	M 931
VFF 450	50	57	butterfly	200	0.2	0.5	–	M 931
VFF 465	65	81	butterfly	230	–	0.4	–	M 931
VFF 480	80	170	butterfly	250	–	0.4	–	M 931
VFF 4100	100	240	butterfly	280	–	0.3	0.5 ⁽⁵⁾	M 931
VFF 4125	125	470	butterfly	300	–	–	0.5	M 931
VFF 4150	150	700	butterfly	350	–	–	0.5	M 931

(1) : Kvs – Flow coefficient: Flow in m³/h with valve open and pressure drop of 100 kPa.

100 kPa = 10 mWG = 1 bar

(2) : bar = Maximum pressure differential (Δp max) permitted by actuator.

(3) : Type of rotor. For 3-port valves: slipper = left or right lateral port always open; butterfly = central port always open.

(4) : Length flange to flange.

(5) : Coupling possible only with AVF 171 linkage.

ACTUATORS

ROTARY REVERSIBLE 90° ACTUATORS FOR HGM - HMM - VDM VALVES

CDK ...

APPLICATION

Rotary reversible actuator with fixed at 90° rotation angle.
Three-wire electric control (Common, Opens, Closes).



FEATURES

- Power supply: 230 - 24 - 12 V~; Protection: IP 53; Run time: 60 s.
- Supplied with auxiliary end-of-run with SPDT switch, intervention at 50% of run.

Code	Power supply V~ (VA)	Control	Time (s)	Normal Torque kg/cm. (Nm)	Starting Torque kg/cm. (Nm)	Data sheet
CDK 068	230 (4)	3-wire	60	15 (1.5)	30 (3.0)	M 324
CDK 064	24 (1)	3-wire	60	15 (1.5)	30 (3.0)	M 324
CDK 062	12 (4)	3-wire	60	15 (1.5)	30 (3.0)	M 325

DETECTORS

RELATIVE HUMIDITY DETECTOR FOR AIR DUCTS

SUR 704

APPLICATION

Measures the relative humidity in air ducts by means of a capacitive sensor.
The sensing element is housed in a PVC sheath and the electronic circuit with the terminal blocks in a water-proof container. Installation is simplified by the use of a separate fixing flange.



FEATURES

- Power supply: 24 V~ (2.5 VA) oppure 12 V~ (15 mA).
- Enclosure in shockproof plastic: 83 x 105 x 46 mm; Pocket ø 30,5 x 270 mm; Protection: IP 55; Cable entry gland: PG 7.
- Relative humidity output signal: 0...10 V~ or 0...5 V~.

Code	Description	Humidity range	Humidity accuracy	Data sheet
SUR 704	Relative humidity detector.	10...90 %RH	2.5 %RH	N 221

RELATIVE HUMIDITY & TEMPERATURE DETECTOR FOR AIR DUCTS

SUT 714

APPLICATION

Measures the relative humidity by means of an integrated sensor and the temperature by means of an NTC 10 kΩ sensing element.
The sensing elements are housed in a PVC sheath and the electronic circuit with the terminal blocks in a water-proof container. Installation is simplified by the use of a separate fixing flange.



FEATURES

- Power supply: 24 V~ (2.5 VA) oppure 12 V~ (15 mA).
- Enclosure in shockproof plastic: 83 x 105 x 46 mm; Pocket: ø 30,5 x 270 mm; Protection: IP 55; Cable entry gland: PG 7.
- Relative humidity output signal: 0...10 V~ or 0...5 V~.

Code	Description	Humidity range	Humidity accuracy	Temperature range	Data sheet
SUT 714	Relative humidity and temperature detector.	10...90 %RH	1.5 %RH	0...60 °C	N 222

LIQUID LEVEL PRESSURE SENSORS

LGP ... Delivery End/Off SEPTEMBER

C ← BUS

APPLICATION

By means of a ceramic sensor measure the hydrostatic pressure of a liquid in a storage tank and thereby its level. In conjunction with an UML 318 measurement unit it is possible to:

- Power the sensor (12 V~).
- Calibrate the measurement fields and see displayed the actual measurement.
- Set two limit values for the control of two relays.
- Record 400 measurements at pre-set intervals (5 min...24 hours).
- Telemanage via C-Bus connection.



FEATURES

- Power supply: +8...+15 V~; Consumption: 10 mA; Protection: IP 55.
- Analogue output: 0...5 V~

Code	Description	Measurement range			Tank connection	Data sheet
		Pressure	Water	Gasoil		
LGP 250	Liquid level pressure sensor	0 ... 0.25 bar	0 ... 2.5 m	0 ... 3.0 m	1"	N 515
LGP 500	Liquid level pressure sensor	0 ... 0.50 bar	0 ... 5.0 m	0 ... 5.0 m	1"	N 515

TELEMANAGEMENT

GSM CENTRAL OR REMOTE MODEM

GSM 713



APPLICATION

Connects directly the central telemanagement computer to the GSM telephone line or, by means of an RS 232 / C-Bus convertor, the remote Coster devices with C-Bus and/or RS 232.

- Supplied with: – 230V~/12V– power supply;
 – DB9 serial cable for connection to RS 232 / C-Bus convertor;
 – RF Dual Band antenna;
 – Linkage for mounting on wall or on DIN rail.

FEATUIRES

- Power supply: 230 V~; Protection: IP 40.
- Transmission speed: – 1,200 bps.

Code	Description	Data sheet
GSM 713	GSM central modem (telemanagement PC) or remote (plant sites).	T 332

ACCESSORIES

Code	Description	Data sheet
APA 812 ACB 332 PCB 332 NAB 628	Five-meter cable for antenna extension. RS 232 / C-Bus low-power convertor for connection to C-Bus line. RS 232 / C-Bus medium-power convertor for connection to C-Bus line. RS 232 / C-Bus high-power convertor for connection to C-Bus line.	– T 423 T 422 T 412

GSM DESKTOP MODEM FOR USB CONNECTION

GSM 714



APPLICATION

Connects the central computer, via USB cable, to GSM telephone line.
 RF Dual Band antenna incorporated.
 Supplied with USB cable and CD ROM with driver for Windows(©).

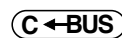
FEATURES

- Power supply: viaUSB port; Protection: IP 40.
- Transmission speed: 9,600 bps.

Code	Description	Data sheet
GSM 714	Central GSM modem (Telemanagement PC) with USB interface.	T 335

REMOTE GSM DUAL BAND MODEM

GSM 622



APPLICATION

Connects Coster remote devices with C-Bus and/or RS 232 to the GSM (900/1,800 MHz).
 Communicates with central modems MCV 711 o GSM 712 or GSM 713.
 Supplied with RF Dual Band antenna.

FEATURES

- Power supply: 230 V~; Consumption: 11 VA; Enclosure: DIN 105x115; Protection: IP 40.
- Transmission speed on line: 2,400 ... 14,400 bps in non-transparent mode.

Code	Description	Inputs RS 232	Inputs C-Bus	Data sheet
GSM 622	Remore GSM Dual Band modem.	1	1	T 334

ACCESSORIES

Code	Description	Data sheet
APA 812 TCB 908 ALM 688	Cable (5 metres) for antenna extension. Tester for checking connections and telephone call test. Power supply backup.	– – T 350

TELEMANAGEMENT

LOW POWER RS 232 / C-BUS CONVERTOR CABLE

ACB 232

C ← BUS



APPLICATION

Converts a serial RS 232 signal to a parallel C-Bus signal. Permits connecting the RS 232 serial port of a PC or a modem to the C-Bus communication line.

FEATURES

- Supplied with a 9-pole female connector; Number C-Bus devices that can be connected: max 3.

Code	Description	Data sheet
ACB 232 ACB 232/S1	RS232 / C-Bus convertor cable powered by PC. RS232 / C-Bus convertor cable powered (12 V-) by the device.	- -

ETHERNET - RS 232 CONVERTOR

ARE 732



APPLICATION

Enables Coster remote devices to be connected to Ethernet network via C-Bus and/or RS 232. The use of an RS 232 / C-Bus convertor is essential.

- Supplied with:
- 230V~/12V- power supply;
 - DB25 serial cable for connection to RS 232 / C-Bus convertor.

FEATURES

- Power supply: 230 V~; Protection: IP 40.
- Transmission speed: 1,200 bps.

Code	Description	Data sheet
ARE 732	Ethernet - RS 232 convertor.	T 333

ACCESSORIES

Code	Description	Data sheet
ACB 332 PCB 332 NAB 628	RS 232 / C-Bus low-power convertor for connection to C-Bus line. RS 232 / C-Bus medium-power convertor for connection to C-Bus line. RS 232 / C-Bus high-power convertor for connection to C-Bus line.	T 423 T 422 T 412

UNIT FOR MEASUREMENT, ALARM & RECORDING FLUE GAS TEMPERATURES

UBF 348

C ← BUS



APPLICATION

Permits recording four temperature measurements (0 ... 500 °C), with minimum and maximum thresholds and sending alarms to telemanagement systems via C-Bus connection. Option of deactivating alarms by means of one or two external switches (as alternative to same number of detectors).

FEATURES

- Power supply: 230 V~; Consumption: 2 VA; DIN 53 x 115 modular case; Protection: IP 40.
- Four measurement inputs: Pt 1 kΩ (0 ... 500 °C).
- Adjustable recording interval: 5 ... 240 minutes.

Code	Description	Data sheet
UBF 348	Unit for measurement, alarm & recording flue gas temperatures.	T 256

ACCESSORIES

Code	Description	Application range	Sensing element	Data sheet
STF 001	Flue gas temperature detector.	0 ... 500 °C	Pt 1 kΩ	N 165

TELEMANAGEMENT

UNIT FOR MEASURING & RECORDING 0 ... 5 V-, 0 ... 10 V-, 4 ... 20 mA SIGNALS AND TRIGGERING ALARMS

UML 318 Delivery End/Off SEPTEMBER C ←BUS



APPLICATION

Convert an analogue signal 0 ... 5 V- o 0 ... 10 V- o 4 ... 20 mA into a measurement of physical magnitude. In conjunction with a liquid level pressure sensor it is possible to:

- Power the sensor (12 V-).
- Calibrate the measurement range off the physical magnitude and display the actual measurement.
- Set two limit values (Min. and Max.) for control of two relays.
- Record 400 measurements at the pre-set intervals (5 min ... 24 hours).
- Telemanage via C-Bus connection.

FEATURES

- Power supply: 230 V~; Consumption: 2 VA; DIN 53 x 115 modular enclosure; Protection: IP 40.
- One input for analogue signal 0 ... 5 V- or 0 ... 10 V- or 4 ... 20 mA.
- Two relay outputs for signalling alarm.

Code	Description	Data sheet
UML 318	Unit for measurement & recording signals 0 ... 5 V- or 0 ... 10 V- or 4 ... 20 mA, and triggering alarms	T 258

ACCESSORI

Code	Description	Analogue signal	Measurement range	Data sheet
LGP 250	Liquid level pressure sensor.	0 ... 5 V-	0 ... 0.25 bar	N 515
LGP 500	Liquid level pressure sensor.	0 ... 5 V-	0... 0.50 bar	N 515
LGU 420	Liquid level ultrasound sensor.	4 ... 20 mA	0.3 ... 5 m	N 510
LGU 820	Liquid level ultrasound sensor.	4 ... 20 mA	0.7 ... 15 m	N 510
	Any sensor with 0 ... 5 V-, 0 ... 10 V-, 4 ... 20 mA			

REFRIGERATION TEMPERATURES RECORDING UNIT

UMF 348 C ←BUS



APPLICATION

Permits recording four temperature measurements (-30...40 °C) with minimum and maximum thresholds and sending alarms to telemanagement systems via C-Bus.

Option of deactivating alarms by one or two external switches (as alternative to same number of detectors).

FEATURES

- Power supply: 230 V~; Consumption: 2 VA; DIN 53 x 115 modular case; Protection: IP 40.
- Four measurement inputs: NTC 1 kΩ (-30 ... 40 °C).
- Adjustable recording interval: 5 ... 240 minutes.

Code	Description	Data sheet
UMF 348	Refrigeration temperatures recording unit.	T 255

ACCESSORIES

Code	Description	Application range	Sensing element	Data sheet
SAF 001	Cable-type temperature detector (15 meter cable).	-30 ... 40 °C	NTC 1 kΩ	N 145
SAA 001	Waterproof ambient detector.	-30 ... 40 °C	NTC 1 kΩ	N 115

TELEMANAGEMENT

ON - OFF TIMER UNIT

UCO 318

C ←BUS



APPLICATION

Designed for On-Off control of one electrical device with timed programming and local remote controls and for acquiring one alarm or status signal.

Can only be used with telemanagement systems via C-Bus connection.

FEATURES

- Power supply: 230 V~; Consumption: 3 VA; Enclosure: DIN 53 x 115; Protection: IP 40.
- One 5(1) A SPDT relay output.
- 3 On-Off inputs: one On-Off, one Emergency button, one alarm or status signal.

Code	Description	Data sheet
UCO 318	On-Off timer unit.	T 213

GALVANIC INSULATOR FOR RS 232 LINE

PRS 332

APPLICATION

Insulates the RS 232 computer line from the RS 232 Coster systems line.

FEATURES

- Power supply: 230 V~; Consumption: 2,5 VA; DIN 53 x 115 modular enclosure; Protection: IP 40.
- One RS 232 input for PC or modem.
- One RS 232 output for connection to Coster devices NAB 628, PCB 332, ACB 332, etc.
- One power supply output 5 V- (max. 20 mA).



Code	Description	Data sheet
PRS 332	Galvanic insulator for RS 232 line.	T 426

TEMPERATURE RECORDING UNIT

ULT ...

C ←BUS

APPLICATION

Permits recording four minimum and maximum temperature thresholds for sending alarms to telemanagement systems via C-Bus.

FEATURES

- Power supply: 230 V~; Consumption: 2 VA; DIN 53 x 115 modular enclosure; Protection: IP 40.
- Four measurement inputs.
- Adjustable recording interval: 5 ... 240 min.



Code	Description	Suitable sensing elements			Data sheet
		NTC 10 kΩ 0 ... 99 °C	NTC 10 kΩ 0 ... 40 °C	NTC 1 kΩ -40 ... 40 °C	
ULT 328	Temperature recording unit.	2	1	1	T 257
ULT 348	Temperature recording unit.	4	-	-	T 257

COSTER T.E. S.p.A

Head Office & Sales

Via San G.B. De La Salle, 4/a - 20132 Milan
Tel. +39 022722121 - Fax +39 022593645

Regional Office for Central & Southern Italy

Via S. Longanesi, 14 - 00146 Rome
Tel. +39 065573330 - Fax +39 065566517

Orders and Shipping

Via Gen. Treboldi, 190/192 - 25048 Edolo (BS)
Tel. +39 0364773200 - Fax +39 0364770016

Website

www.coster.info

Customer care E-Mail

support@coster.info