

RELAY CONTROL MODULE

ISC 648 Eng. C2



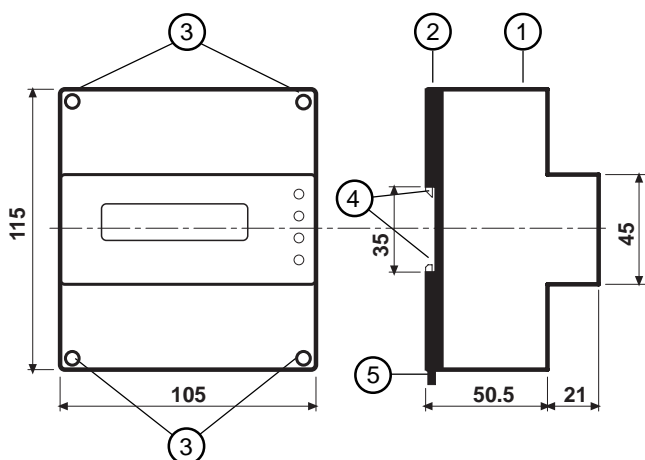
- Executes instructions of a boiler sequencing controller
- Controls single- or two-stage burners and any shut-off valves
- Power supply 230 V ~; DIN rail mounting

1. APPLICATION

A relay module for executing the instructions of a DTC 648 boiler sequence controller. Up to three ISC 648 can be combined with one controller.

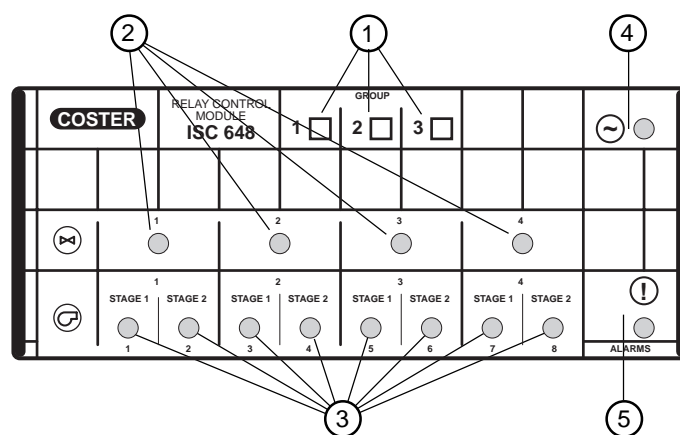
	Boilers with valves 1- stage burners	Boilers without valves 1- stage burners	Boilers with valves 2- stage burners	Boilers without 2- stage burners
with 1 ISC 648	up to 4	up to 8	up to 4	up to 4
with 2 ISC 648	up to 8	up to 16	up to 8	up to 8
with 3 ISC 648	up to 12	up to 24	up to 12	up to 12

2. OVERALL DIMENSIONS



- 1 – Protective cover for electronic components
- 2 – Base with transformer, relay and terminal blocks
- 3 – Screws for securing cover and base
- 4 – DIN rail securing elements
- 5 – DIN rail release lever

3. FACIA

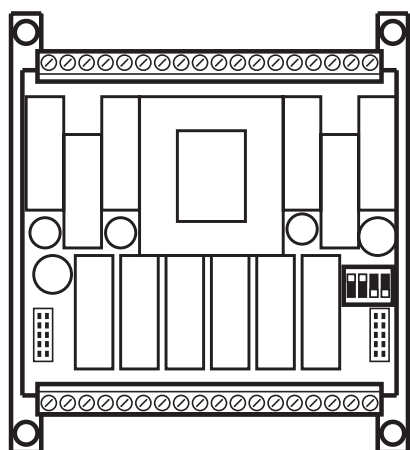


- 1 - Indication group boilers
LED indicators :
- 2 - Valves open
- 3 - Burners or stages On
- 4 - Power
- 5 - Fault

4. TECHNICAL DATA

Power supply	230 V ~ ± 10%	Case	DIN 6E module
Frequency	50 to 60 Hz	Mounting	DIN 35 rail
Consumption	5 VA	Materials	
Protection	IP40	base	NYLON
Radio disturbances	VDE0875/0871	storage	ABS
Vibration test	with 2g (DIN 40 046)	Ambient temperature:	
Voltage-free output contacts		operation	0 ... 45 °C
maximum switched voltage	250 V ~	storage	- 25 ... + 60 °C
maximum switched current	5 (1) A	Ambient humidity	Class F DIN 40040
Construction standards	Italian Electrotech.Comm. (CEI)	Weight	1,0 kg

5. ADDRESS ISC 648



Address programmer

Each relay module, in order to be piloted by the controller, must be addressed by means of the programmer on the base.
Factory setting : all modules addressed as No. 1.



ISC 648 No. 1 :
single- and two-stage boilers with valves : from No. 1 to No. 4
single-stage boilers without valves : from No. 1 to No. 8

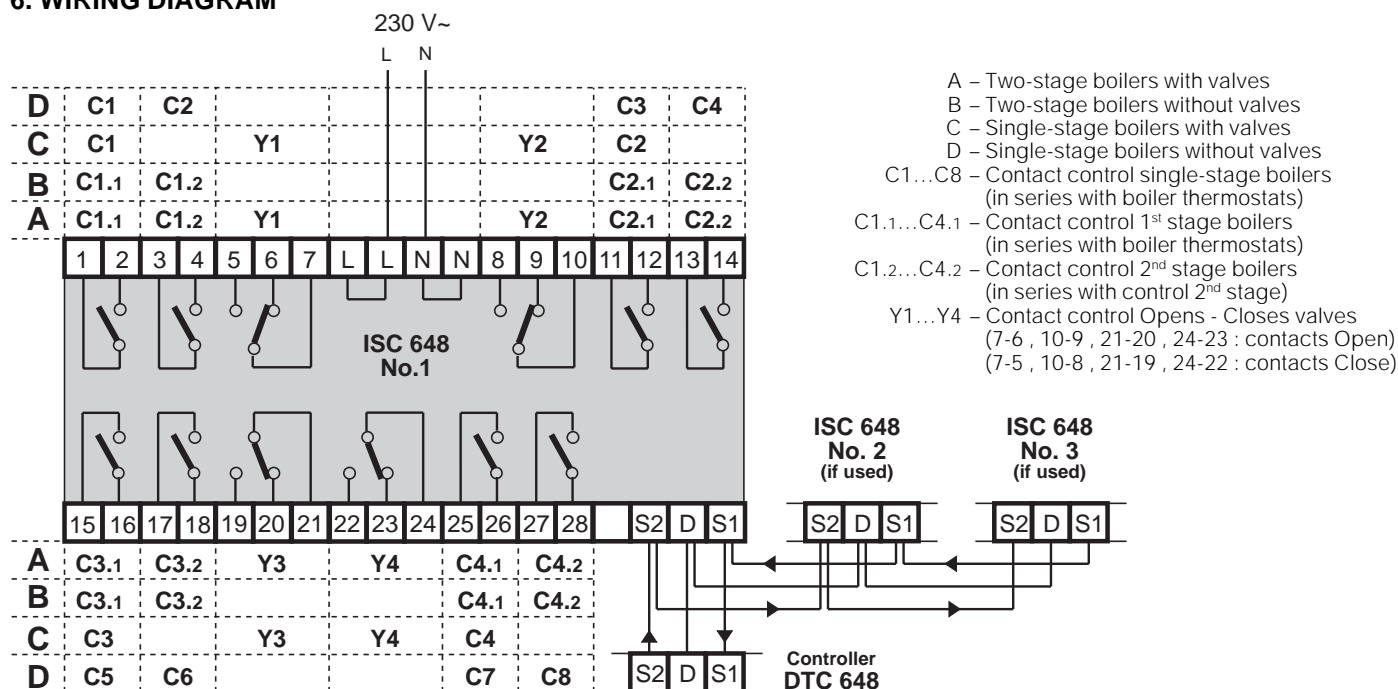


ISC 648 No. 2 :
single- and two-stage boilers with valves : from No. 5 to No. 8
single-stage boilers without valves : from No. 9 to No. 16



ISC 648 No. 3 :
single- and two-stage boilers with valves : from No. 9 to No. 12
single-stage boilers without valves : from No. 17 to No. 24

6. WIRING DIAGRAM



7. SITING

The module must be sited in a dry ambience and in respect of the relevant limits indicated in 4. TECHNICAL DATA. If sited in ambiances classified as "Dangerous" it must be installed in cabinets for electrical appliances constructed according to the current regulations for the danger class involved. It can be installed on DIN rail or in a DIN standard module.

8. WIRING

Proceed as follows :

- Separate the base and cover
- Mount the base on the DIN rail and check that the securing elements (2.4) hold it firmly in place.
- Carry on the wiring as in diagram and in accordance with the current regulations and using cables :
 - 1.5 mm² for power and relay control outputs
 - 1 mm² for S2-D-S1 connections
- Switch on power (230 V ~) and check the voltage across terminals L and N
- Switch off power, replace cover on base/terminal block and secure it with the four screw supplied (2.3).

You are advised not to insert more than two cables in a single terminal of the controller and if necessary to use junction boxes.



20132 Milan
Via San G.B. De La Salle, 4/a
00146 Rome
Viale G. Marconi, 437
25048 Edolo (BS)
Via Gen. Treboldi 190/192
Web: www.coster.info

Head Office & Sales
Tel. +39.02.2722121 (TI)
Tel. +39.02.45476193 (FW)
Fax +39.02.2593645
Reg. Off. Central & Southern
Tel. +39.06.5573330
Fax +39.06.5566517
Orders and Shipping
Tel. +39.0364.7732.00/02
Fax +39.0364.770016
E-mail: info@coster.info



D 33078 r.g.

