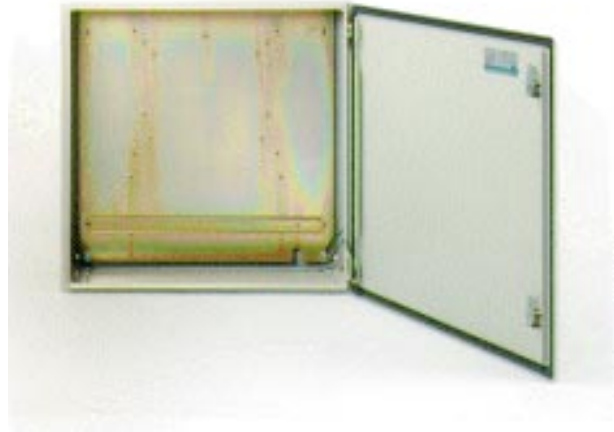


## ENCLS ENCLOSURES



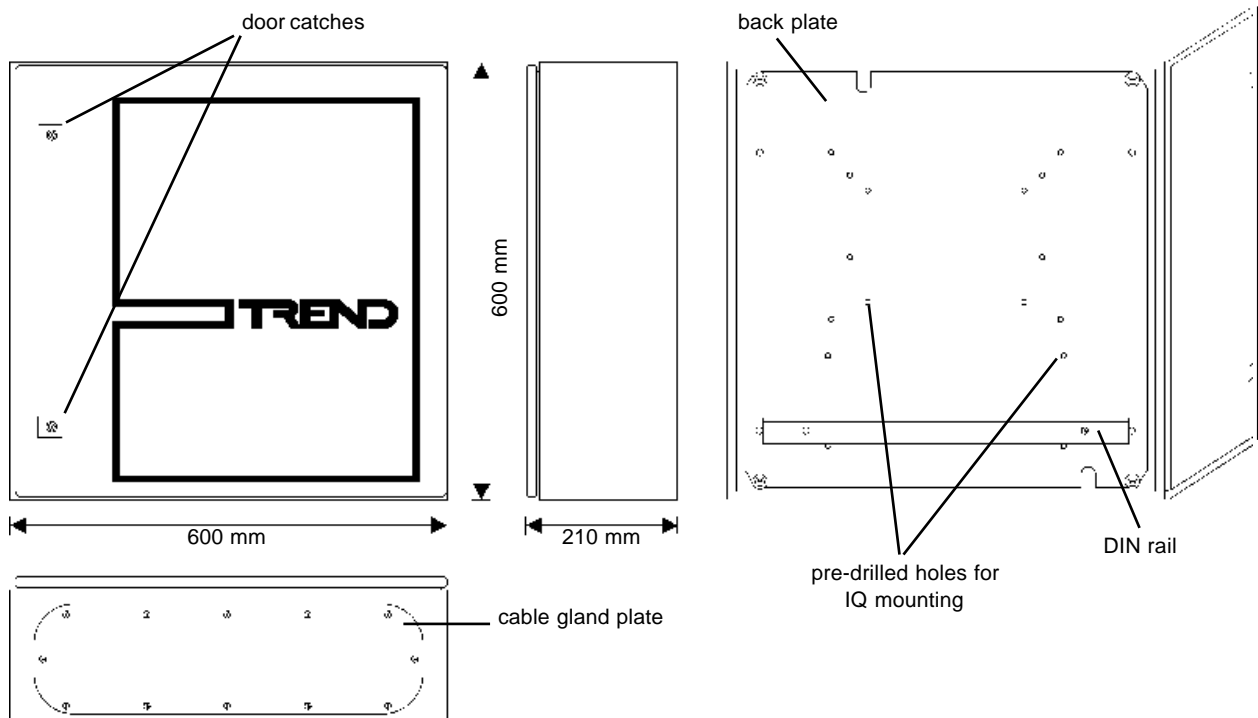
### Description

The Trend range of ENCLS enclosures provides a mounting platform for Trend IQ controllers. The enclosures provide environmental protection (IP55) for the controller mounted inside. The enclosure contains a cable glanding plate for entry of power supply, I/O, and network cabling. The /FPK, or /NDP options provide a Display Panel, or Network Display Panel facility respectively on the door. A single DIN rail, is fitted for mounting relay modules.

### Features

- IP55 protection for controller inside.
- Optional Display Panel, or Network Display Panel on the door.
- Pre-drilled with mounting holes for most IQ controllers.
- DIN rail for mounting relay modules.

### Physical



**FUNCTIONALITY**

**Pre-drilled mounting holes:** The enclosure is supplied with a backplate pre-drilled for the following Trend IQ controllers:

IQ91e	IQ131+
IQ92e	IQ151+
IQ93e	IQ241
IQ101+	IQ250
IQ102+	IQ251
IQ111+	

**Relay mounting facility:** The enclosure is supplied with a DIN rail for mounting relays within the enclosure.

**Environmental protection:** The enclosure provides IP55 protection for the controller mounted inside it, provided that the cables are routed through the glanding plate, using cable glands.

**Display Panel:** The /FPK option contains a backlit Display Panel mounted in the door of the enclosure (see DP Data Sheet, TA102601). This Display panel can be connected to the controller mounted inside to provide access to parameters within the controller. *Note that it is not possible to connect a display panel to all IQ controllers. If the controller mounted inside the enclosure cannot be connected to a Display Panel, then it is not possible to use the /FPK option.*

**Network Display Panel:** The /NDP option contains a Network Display Panel mounted in the door of the enclosure (see NDP Data Sheet, TA101221A). This Network Display panel can be connected to the controller mounted inside to provide access to parameters within all controllers on a single or multi-Lan system. *Note that it is not possible to connect a Network Display Panel to all IQ controllers. If the controller mounted inside the enclosure cannot be connected to a Network Display Panel, then it is not possible to use the /NDP option. The /NDP option can be used in conjunction with a NETB/CNC to provide an NDP in an enclosure. Note that power for the NDP should be provided from the auxiliary supply of the controller or NETB/CNC mounted within the enclosure.*

**INSTALLATION**

The enclosure should be mounted in a location that allows safe access for maintenance, and a suitable operating environment. The procedure involves:

mounting the enclosure in position  
mounting the controller inside the enclosure

connecting the controller to the DP or NDP

The installation procedure is covered in the ENCLS Enclosures Installation Instructions (TG103175).

**ORDER CODES**

ENCLS	600 mm x 600 mm x 210 mm IP55 enclosure
ENCLS/FPK	600 mm x 600 mm x 210 mm IP55 enclosure with FPK on front
ENCLS/NDP	600 mm x 600 mm x 210 mm IP55 enclosure with NDP on front

**SPECIFICATIONS**

**Electrical**

ENCLS/FPK	
Display	:2x40 character backlit display, with 4 programmable softkeys (see TA102601).
Power supply	:5V resulting in 30 mA from 24 Vdc supply (from controller).

ENCLS/NDP	
Display	:Icon driven display panel with backlit display (see TA101221A).
Power supply	:24 Vac 100mA (from controller or NDP/CNC).
Illumination	:Backlit display will switch off 5 minutes after last key press and will re-illuminate on key press.

**Mechanical**

Dimensions	:600 mm x 600 mm x 210 mm
Weight	:26.1 Kg
Material	:2 mm mild steel with epoxy texture finish

**Environmental**

EMC	
Immunity	:EN50082-2
Safety	:IP55
Ambient limits	
ENCLS	:Dependent on controller mounted inside.
ENCLS/FPK	:Dependent on controller mounted inside, or 0 to 50 °C, 0 to 90 %RH non condensing whatever is the lower
ENCLS/NDP	:Dependent on controller mounted inside, or 0 to 40 °C, 0 to 85 %RH non condensing whatever is the lower

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