

Surge Protection Module

ACCESSORIES
1280/1283



INCON[®]
INTELLIGENT CONTROLS

Models 1280 and 1283 are surge protection modules designed specifically for the INCON 1250, 1255, 1511 and 1810 panel instruments. They protect all inputs and outputs from high voltage surges.

Applications

- Highly recommended for installations where lightning strikes are common
- Protects transformer LTC position monitors at utility substations
- Protects gate position monitors and water level monitors at hydro dams

Capabilities

- Protects power input, signal input and analog output from voltage spikes, surges and ground potential rise
- Complete I/O protection
- Fast acting Transorb protection on sensitive signal input and analog output
- High current MOV protection on power supply inputs
- Can be retrofitted to existing installations

Features

- Mounts directly to the rear of the panel instrument
- Plug-able field wiring terminals allow quick disconnect
- Replacement fuses are provided (10 ea.)
- Does not affect monitor programming

Benefits

- Easy to install
- Save on repair costs
- Increases reliability
- No calibration required

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Specifications

Power Inputs:

Maximum clamping voltage:	360 V (710 V)
Peak surge current:	10 KA x 1 6.5 KA x 2
Transient energy:	100 J / 2 mS

Signal Inputs:

Breakdown voltage:	400 V
Maximum clamping voltage:	548 V
Peak pulse power:	100 kW/0.1 uS - 600 W/10 mS

Analog Output:

Breakdown voltage:	27 V
Maximum clamping voltage:	37.5 V
Peak pulse power:	40 kW/0.1 uS - 100 W/10 mS

All Inputs and Outputs:

Current limiting series resistance:	12 Ohms
Fuse Rating:	6.3 Amp slow blow
Terminal wire size:	24 to 12 gauge

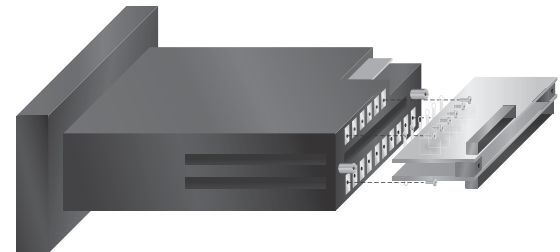
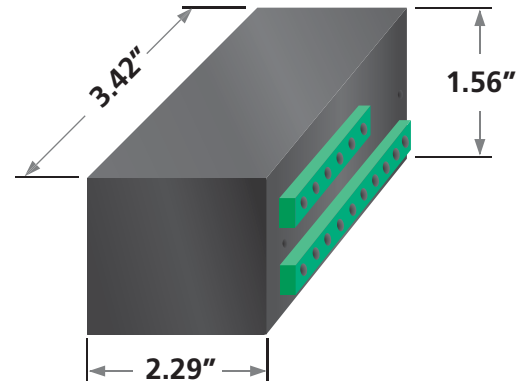
Environment:

Humidity:	1 - 95% RH (non-cond.)
Ambient temperature:	-30 °C to +75 °C

General:

Weight:	8 ounces
Finish:	Black anodized

Dimensions



Mounts to the rear of the instrument

Ordering Information

Model 1280	For use with Model 1250 and 1255 instruments with 120 VAC power
Model 1280-240	For use with Model 1250 and 1255 instruments with 240 VAC power
Model 1283	For use with Model 1511 and 1810 instruments with 120 VAC power
Model 1283-240	For use with Model 1511 and 1810 instruments with 240 VAC power

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