

8059 External Relay Modules

3-8059.099 (B - 2/03)



Features

- Two or four external relays controlled by host instrument
- AC and DC powered versions
- DC power output (AC versions)
- DC power pass-through (DC versions) to simplify wiring
- S³L™ pass-through to simplify sensor wiring
- Red LED annunciators for each relay
- Green LED indicators for power and S³L™ data transfer
- Relays may be tested locally, and also via the host instrument
- CE, CSA, UL

Description

The 8059 External Relay Modules supplement the output capabilities of certain host instruments such as the 8250 Level Transmitters and 8900 Multi-Parameter Controllers. AC-powered versions accept universal line voltage, and also provide 24 VDC output that can be used to power the host instru-

ment or other device(s). The host instrument controls relay operation by way of a single S³L™ connection. The compact plastic housing is DIN rail mountable and includes LED annunciators for each relay, plus one each for power-on and data transfer or test mode.

Compatibility

		8250	8900
3-8059-2, -2AC	●	●	
3-8059-4, -4AC			●

Technical Data

Input: S³L™ ISignet Sensor Serial Link
via host instrument

Enclosure

Material: Noryl® UL 94 V-O
Type: DIN rail mountable
Terminals: Standard screw-type
Shipping Weight: 0.37 kg (0.8 lb.)

Power

8059-2AC, -4AC: 100-240 VAC ± 10%, 50/60 Hz, 20VA
8059-2, -4: 12 to 24 VDC

DC output

8059-2AC, -4AC: 24 VDC regulated, 300 mA
8059-2, -4: Pass-through: DC input minus 0.7 volt
(12VDC in = 11.3 VDC out)

Isolation: > 5,000 Vrms

Relays

Type: SPDT 250VAC/30VDC/5A
Resolution: 2 ms (in pulse mode)
Response Time: < 100 ms
Annunciators: Red LED, 1 per relay

Environmental

Ambient temperature

- Storage: -20 to 85°C (-4° to 185°F)
- Operating: -10 to 55°C (14° to 131°F)

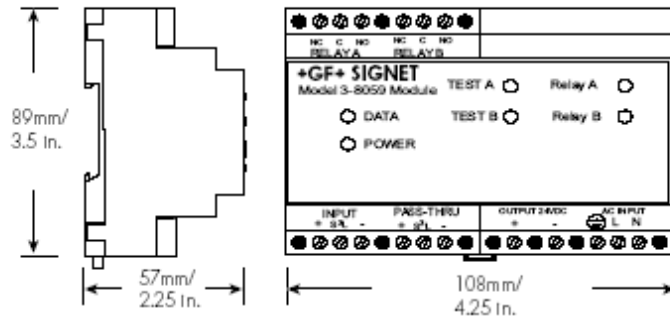
Relative Humidity: 0 to 90% (non-condensing)
Maximum Altitude: ≤2,000 m (6,561 ft.)

Standards and approvals

- CE, CSA, UL listed
- Immunity: EN50082-2
- Emissions: EN50081-2
- Safety: EN61010
- Manufactured under ISO 9001 and ISO 14001

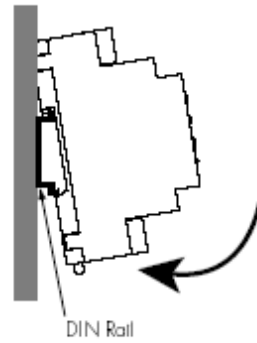
Noryl® is a registered trademark of GE Plastics.

Dimensions



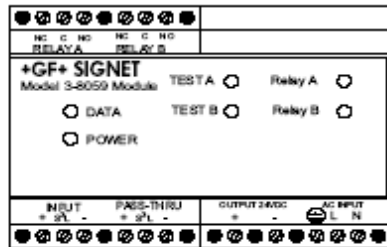
Installation

(See below for DIN Rail information)

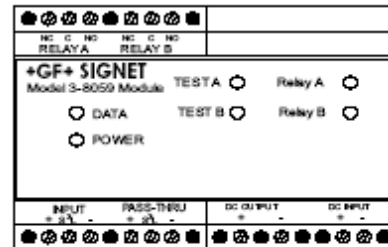


Terminal View

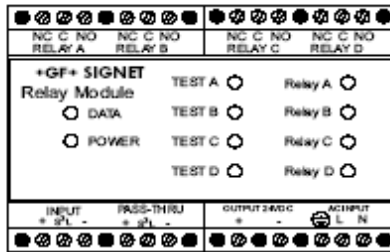
3-8059-2AC



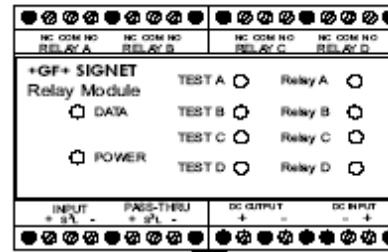
3-8059-2



3-8059-4AC



3-8059-4



Ordering Information

Mfr. Part No.	Code	Description
3-8059-2	159 000 770	External 2-Relay Module
3-8059-2AC	159 000 771	External 2-Relay Module with power supply
3-8059-4	159 000 772	External 4-Relay
3-8059-4AC	159 000 773	External 4-Relay Module with power supply
3-8050.396	159 000 617	RC Filter Kit (2 pieces)
6205-0002	159 000 858	DIN Rail, 1 meter
6205-0003	159 000 859	End Clips, DIN Rail

FLOMETERS

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