

## Features

- Up to eight monitored inputs and eight monitored relay outputs
- Able to accept either voltage-free “dry” contacts or +/-24VDC “wet” contacts
- Stainless steel weatherproof enclosure
- FSK communication – uses the system page line to transfer data to and from the ADVANCE cabinet

The **model 378-001 Remote FSK Monitored Input Module** and **379-001 Remote FSK Monitored Relay Module** are used in ADVANCE/SmartSeries™ systems to remotely interface with external systems and devices.

Both units communicate with an ADVANCE cabinet via the system page line in exactly the same way as SmartSeries™ handset stations and speaker amplifiers. No additional cabling is required, and distances of up to one mile from the ADVANCE cabinet are possible.

The model **378-001** monitors up to eight input circuits. Each circuit is activated by either a normally-open or normally-closed voltage-free contact or by the presence or absence of a 24 VDC input voltage. When using voltage-free contacts, the 378-001 can supervise the cabling between itself and the remote contact closure device. The cable is monitored for open circuits, short circuits and ground faults. Any faults are automatically reported to the ADVANCE cabinet Master Control Unit (MCU). Each input circuit can be programmed to initiate one of the following functions in the ADVANCE system:

- Activate/reset an alarm
- Reset all alarms
- Report a fault condition
- Reset the MCU



The model **379-001** provides eight relay output circuits. Relay outputs are typically used for switching power to signaling devices such as beacons or strobes but can be used for any switching application that does not exceed the relay's current rating. Relay circuits can be programmed to activate during system alarms, pages, or trouble condition.

The model 379-001 also contains eight input circuits. Input circuits can be used supervise the cable integrity connecting the relay output to the signaling device. During an inactive state, the cable is monitored for open circuit, short circuit and ground fault conditions. If a cable fault is detected, the relay circuit will not activate, preventing a possible dangerous condition. Any fault conditions are automatically reported to the MCU.

For each relay circuit not requiring supervision, one input circuit is available for other functions. Inputs are activated and programmed in the same way as the model 378-001.

## Specifications

### Part Numbers and Descriptions

378-001..... Remote FSK Monitored Input  
Module Station  
379-001..... Remote FSK Monitored Relay  
Module Station

### Electrical

Power requirements ..... 120VAC,  
50/60Hz @ 0.7A max

### Mechanical

Enclosure material ..... No. 16 gauge 316  
stainless steel  
Dimensions ..... 13.0 W x 14.3 H x 6.23 D inches  
(330 W x 363 H x 158 D mm)  
Weight ..... 18lbs (8.25kg)

### Environmental

Temperature range ..... -22°F to +158°F  
(-30°C to +70°C)  
Relative humidity ..... 95%, non-condensing

