

PRODUCT PROFILE # 543

RM Relay Module

The Relay Module (RM) is mounted in an INTREPID MicroPoint enclosure and can be removed to mount directly in a security alarm panel. The RM provides six contact closure inputs and six NO or NC, voltage free, maximum rating 100 VDC, 0.25 Amp, 4 VA (resistive load) relay outputs. Each relay has a corresponding LED that will illuminate when activated and turn off when reset. The four analog voltage sensing inputs have typical sample rate of 1 Hz (0-5 VDC).

The RM operates at 12 VDC @ 110mA. One may be powered from any PM on the system. There are two connections (J5 & J7) where a Power Converter Card (PCC) may be installed. With the PCC installed it can operate from 10.5 – 60 VDC.

The RM communicates via two-wire, shielded, twisted pair, RS-485 to the nearest PM with a NIM or 422A. A maximum of 15 RM's may be daisy-chained on a single NIM or 422A and 5 additional RM's may be connected on any other NIM or 422A. No more than 20 RM's may be used on a single MicroPoint/MicroNet system. A multi-position switch (SW2) is used for binary addressing. There are RS-485 XMIT and RCV LED's in the center of the board that will flicker during communication as well as one LED to notify when power is on. A three-position switch (SW3) is used for communication termination. The Fail-Safe position is used on the first RM connected to Fiber Optic equipment. The Off position is used when connecting RM to RM. The Termination position is used as end-of-line termination. Older RM models use a two-position termination jumper in place of the three-position switch.

