

HERITAGE MEDCALL TECHNICAL SPECIFICATIONS

HM-W541RFx WIRELESS EMERGENCY CALL STATION w/ SMOKE CONTROL

- 900 MHz SPREAD SPECTRUM
- MULTIPLE MOUNTING OPTIONS
- NYLON PULL CORD
- RESET ONLY AT STATION
- LED STATUS INDICATOR
- WIRED REMOTE CALL STATION INPUT
- 4 or 6 WIRE SMOKE DETECTOR INTERFACE
- SUPERVISED INPUTS
- REMOTE POWERED
- DIRECT REPLACEMENT FOR SENTRY LEGACY HOST PANEL HM-527



DESCRIPTION:

The HM-W541RFx Sentry Wireless Emergency Call Station is single gang, wall-mounted device with a nylon pull cord / slide switch with LED indicator light. Either the pull cord or the slide switch may place calls. The HM-W541RFx is specifically designed for monitoring N.O. 12 volt powered smoke detectors of the 4 wire or 6 wire type to include microprocessor controlled temporal pattern for the 4 wire smokes. Smoke detectors are powered through the device. The smoke detector and remote call inputs can be supervised using End of Line resistors

INDICATOR:

An LED indicator flashes during all transmissions showing when calls are placed, calls cleared, supervision troubles for EOL resistors and during periodic supervision of the transmitter.

RESET:

Emergency call reset is accomplished by returning the slide switch to the full up position. All emergency calls require this reset action to assure all calls are verified and all initiating locations are visited. All alarms require pressing the reset button on the front panel after the alarm has been cleared.

OPTIONS:

Using the supplied HM-8P connector provides hook-up for additional wired N.O. remote call stations (HM-541L). Using this input is the same as pulling the cord on the HM-W541RFx. The second input connection is for 12 volt powered smoke detectors. DIP switch selectable four wire or six wire smoke detector and option for supervision of EOL resistors for smoke detector and or remote call stations.

PANEL FINISH AND DIMENSIONS:

The HM-W541RFx Emergency Call Station is available in a high-impact, white, molded ABS plastic plate and housing. Maximum dimensions are 3.15"W X 4.8"H X 1.2"D overall. The switch and pull cord will not protrude more than 1.3" from finished wall.

INSTALLATION:

Model HM-W541RFx is installed to a single gang plastic electrical box or surface mounted utilizing suitable wall anchors for the type of wall. Alternative mounting may be accomplished utilizing double-faced foam tape or hook and loop fasteners if relocation will be an issue. The 56" nylon pull cord is normally installed with the free end within 2" off of the finished floor.

Specifications:

Current Draw: 50mA during transmit
20mA standby

Power: 8 -16 VDC input

Interconnect wire: 2 – 4 pair 24 AWG CAT3

Power Cable: 18 AWG recommended

HM-W541RFS – S denotes 3 minute check-in

HM-W541RFL – L denotes 60 minute check-in

Additional documentation:

Wiring diagram: hm-w541rfx-Insert.pdf

Additional options:

HM-582RF – Includes a 2 Gang to 1 Gang adapter plate and wiring harness. The wiring harness mates with the Host Panel (HM-527) Connector Plug. This allows you to use all the devices in the room of an Sentry Legacy System.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The wireless emergency call station shall be HM-W541RFx supplied by Heritage MedCall. The wireless emergency call station shall be capable of communicating to the Sentry Freedom Wireless software when cord is pulled for help. The wireless emergency call station shall be powered by a 12VDC battery backed up power supply and provide low battery warning to the Sentry Freedom Wireless software. The wireless emergency call station shall provide an LED indicator light when call is placed utilizing a nylon pull cord or slide switch. The wireless emergency call station shall be a single gang plastic, off white, and capable of mounting to a single gang electrical box or surface mounted utilizing suitable wall anchors. The HM-W541RFx shall provide a single momentary push-button switch on front panel to reset smoke detector and remote call stations.