

FOURTEEN BUTTON REMOTE DISPLAY

DESCRIPTION

The Fike fourteen button remote display (RDU-14), P/N 10-2646, is a compact, cost-effective, 80 character, backlit LCD remote annunciator compatible with Fike's intelligent control panels. The remote display mimics the system status information displayed on the host control panel and can be configured to display all system events, or it can be configured to show events for a single zone. Communication between the host control panel and the RDU is accomplished over a two-wire RS485 serial interface.

The unit is equipped with five LEDs (Power, Alarm, Trouble, Supervisory, Silenced) that provide visual indication of the system status and six switches (Enter, Escape, +, -, left and right arrows) that provide event navigation and control functions to the operator. In addition, the unit is equipped with eight programmable switches that can be configured to perform common system functions (i.e., reset, silence, acknowledge, drill, process, walktest, IR tool, step alarm, step supervisory, step trouble, step all, fan restart and zone disable). The unit is also equipped with a key-switch that prevents unauthorized use of most of the control switches when in the locked position.

SPECIFICATIONS

Operating Voltage:	24 VDC regulated (15-30 VDC)
Current Draw (all models):	36 mA (normal standby) 139 mA (backlight, piezo & all LEDs on)
Operating Temp:	0 - 49° C (32 - 120°F)
Operating Humidity:	93% relative humidity
Terminals (P1 & P2):	Accept 14 – 26 AWG
RS485 Peripheral Bus:	Maximum 31 devices on circuit Maximum 4,000 feet (1,219 m), panel to last device Belden 9841, twisted-shielded cable or equivalent 96 ohms maximum line resistance 100 ohm termination resistor on last device only
Compatible Firmware:	Version 3.0+
All connections are power-limited and supervised	
Dimensions (with faceplate):	10.687"L x 4.575"H
Back box options:	Can be surface or flush mounted using compatible electrical boxes

OPERATION

System event messages are displayed similar to that of the main control panel with the exception that the RDU will only display current events. The display will latch on the first Alarm, Trouble, or Supervisory event received, with the exception that Alarm events take precedence over Trouble and Supervisory events and will always be displayed over them.

Additional events received are stored in the RDU's 800 event history buffer on a first in - first out basis unless an Alarm message is received. If an Alarm message is received, the RDU will stop discarding messages and will retain the 50 previous messages received before the receipt of the Alarm message. The RDU will retain its history until the main panel is reset.

The user can use the + or - keys provided on the RDU to review all events stored in the RDU's history buffer.

ORDERING INFORMATION

Fike P/N	Description
10-2646	Fourteen Button Remote Display
02-4811	5-Gang Masonry box, RACO 694 or equivalent with minimum depth of 2 inches
02-11894	Space Age Red ESB Surface Mount back box
02-4202	Gangable Remodel Box (would require 5)
10-2802-1-0-01-0-1-01	3-Slot with RDU Enclosure Kit (Includes Enclosure, 14-Button RDU, and mounting hardware [peripheral cards much be ordered seperately])



APPROVALS:

- UL Listed - S3217
- FM Approved- 3029147
- CSFM - 7165-0900:137 (Cybercat)
7165-0900:149 (Cheetah Xi)
- City of New York - 6001; 6002; 6003; 6004



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