fireray®

0400-01

Fireray® 50/100RU LLC Remote Test Station

By a simple key operation the Remote Test Station is able to test the alarm function of the Fireray® 50RU or 100RU Reflective Beam Smoke Detectors at ground level. Initiating the process will start the green LED periodically flashing, indicating that the Fireray® 50RU or 100RU Reflective Beam test is "Live", and the 2 wire "Data Link" cable has been correctly installed.

The green LED will continue to flash during the entire time that the key is in the "Test" position. While the green LED is flashing, the detector will automatically begin a test sequence that will result in the Fireray® 50RU or 100RU Reflective Beam "electronically" simulating an "Alarm" condition.

When this condition is reached, the "Alarm" contact on the detector will be toggled, which will be indicated by the Red LED being illuminated on the Fireray® 50RU or 100RU detector. This will in turn illuminate the Red LED on the LLC Remote Test Station and also create an "Alarm" on the main Fire Panel. Should the LLC Remote Test Station remain in "Test" mode for longer than 20 seconds, the Fireray® Reflective Beam Detector will automatically revert back to normal operating mode. The Red "Alarm" LED on the LLC will remain illuminated until the Key has been turned to the "Run" position.

Features

- Compatible with either Fireray® 50RU or 100RU
- Reflective Beam Smoke Detectors
- Mounts to a standard single gang electrical box
- Stainless steel wall plate
- 7" pigtail leads
- Includes Data Link cable assembly
- A-126 key lock
- 3 Year warranty

Listings

- UL Listed
- ULC Listed
- MEA 76-04-E
- CSFM 7300-1508:103

Technical Specification

Operating Voltage:	10.2 to 30 V DC
Standby Current:	0mA @ 24V DC
Alarm Current:	8 mA @ 24 V DC
Temperature Rating:	32°F to 100°F (0°C to 38°C).
Relative Humidity:	10% to 93% RH non-condensing
Weight:	6 oz. (170g)

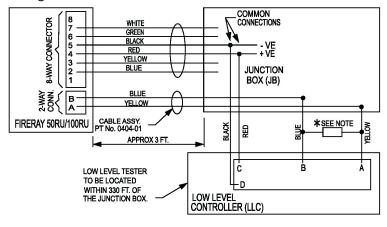### Ordering Information

LLC: Remote Test Station (0400-01)

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Wiring Connection Chart

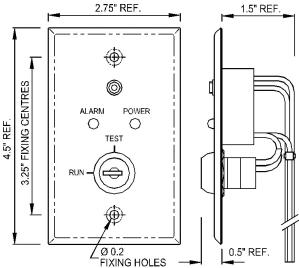|		Fireray® 50RU/100RU			Junction Box	Low Level Controller	
	Pin No.	Wire Color	Function	Operation		Wire Color	Wire Ref.
8-way Connector	8		Spare				
	7	White	Trouble Com	Fire Alarm			
	6	Green	Trouble N/C	Fire Alarm			
	5	Black	Power -VE	Fire Alarm/LLC	Connect	Black	D
	4	Red	Power +VE	Fire Alarm/LLC	Connect	Red	C
	3	Yellow	Alarm N/O	Fire Alarm			
	2	Blue	Alarm Com	Fire Alarm			
	1		Spare				
2-way Conn		Blue		Communications	Connect	Blue	B
		Yellow		Communications	Connect	Yellow	A

Remote Test Station LED Logic

Function	Red LED	Green LED	Beam Detector - Latching	Beam Detector - Non Latching	FACP
Run	OFF	OFF	QUIESCENT	QUIESCENT	QUIESCENT
Key Switch to "TEST"	OFF	FLASH	QUIESCENT	QUIESCENT	QUIESCENT
Wait a short while	ON	FLASH	FIRE	FIRE	FIRE
After additional 20 sec	ON	FLASH	FIRE	QUIESCENT	FIRE
Run (After Test)	OFF	OFF	FIRE	QUIESCENT	FIRE
Reset FACP and Beam	OFF	OFF	QUIESCENT	QUIESCENT	QUIESCENT

Wiring Connections

Dimensions

* NOTE: Fit resistor supplied (150 Ohm) across 'Yellow' and 'Blue' communications lines by LLC. The use of the resistor is not essential for short cable runs, but if greater than 20m (60ft), use of the resistor may be required. It will do no harm if the resistor is fitted on all installations.

Specifications and wiring information are provided for information only and are believed to be accurate. FFE Ltd assumes no responsibility for their use. Data and design are subject to change without notice. Installation and wiring instructions are shipped with the products and should always be used for actual installation. For more information, contact your Sales Representative.

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