

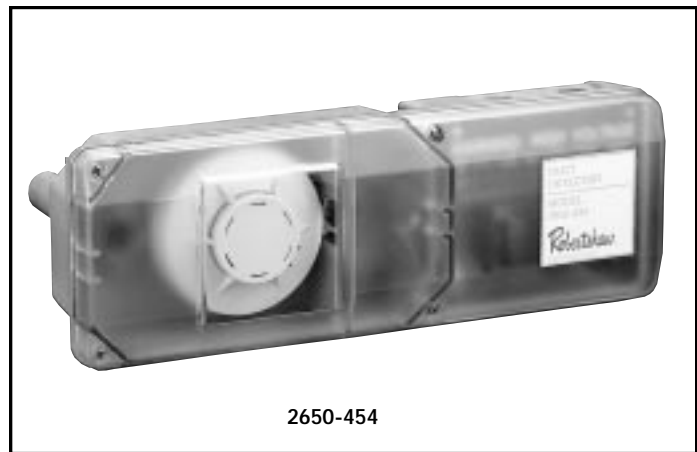
Robertshaw® DUCT SMOKE DETECTORS

2650-400 SERIES

The 2650-400 Series Duct Mounted Smoke Detectors are designed for early detection of smoke and particles of combustion present in the air moving through air conditioning or ventilation ducts. They are self contained, operating from either 120VAC, 240VAC, 24VAC, 24VDC and provide contacts for both direct fan control and capability for remote annunciation or alarm panel operation.

These units consist of either an ionization or photoelectric type detector assembly enclosed in a molded NORYL® plastic housing with a translucent cover. The wiring box, containing two conduit holes, is an integral part of the housing with access for the detector circuitry by removal of the cover. Mounting is by means of two screws and speednuts. Sampling tubes are available in various lengths for ducts up to 12 feet in width and must be ordered separately (see Ordering Data).

All units are UL listed and mount easily to round or rectangular ducts. Units are reset by momentary interruption of power or by use of a remote reset station.



2650-454

ORDERING DATA

UNI-LINE ORDER NO.	FACTORY MODEL	DESCRIPTION
2650-454	—	4-WIRE IONIZATION DUCT DETECTOR
2650-452	DH400ACDCIHT	4-WIRE IONIZATION DUCT DETECTOR HIGH TEMPERATURE
2650-464	—	4-WIRE PHOTOELECTRIC DUCT DETECTOR

CANADIAN MODELS

UNI-LINE ORDER NO.	FACTORY MODEL	DESCRIPTION
2650-451	DH400ACDCIA	4 WIRE IONIZATION DUCT DETECTOR

SAMPLING TUBES

UNI-LINE ORDER NO.	FACTORY MODEL	DESCRIPTION	DUCT WIDTH
06-129500-002	—	METAL SAMPLING TUBE 24"	(1'-2')
06-129500-003	—	METAL SAMPLING TUBE 48"	(2'-4')
06-129500-004	—	METAL SAMPLING TUBE 72"	(4'-6')
06-129500-005	—	METAL SAMPLING TUBE 96"	(6'-8')
06-129500-006	—	METAL SAMPLING TUBE 120"	(8'-12')

REPLACEMENT PARTS

UNI-LINE ORDER NO.	FACTORY MODEL	DESCRIPTION
2850-073	1451DH	REPLACEMENT IONIZATION HEAD FOR 2650-450
2850-074	2451	REPLACEMENT PHOTOELECTRIC HEAD FOR 2650-460
70-510000-060	—	IONIZATION DETECTOR HEAD FOR 2650-454
70-550000-060	—	PHOTOELECTRIC DETECTOR HEAD FOR 2650-464

SPECIFICATIONS

Operating voltage	120 VAC/240 VAC/24 VAC/24 VDC
Current-consumption	
Standby (maximum)	30mA @ 120 VAC
Alarm (maximum)	40mA @ 120 VAC
Contact ratings	
Alarm initiation contacts (SPST)	2.0A @ 30 VAC/DC (0.6 power factor)
Alarm auxiliary contacts (DPDT)	10A @ 30 VDC
	10A @ 277 VDC (0.75 power factor)
	240 VA @ 240 VAC (0.4 power factor)
	1/8 HP @ 120 VAC
	1/4 HP @ 240 VAC
Trouble contacts (SPST)	0.3A @ 32 VDC (resistive)
Ambient temperature limit	
2650-454/2650-451/2650-464	32°F to 100°F
2650-452	UL listed 32°F to 158°F
Humidity	10% to 93% relative humidity, excluding condensation
Air duct velocity	500 to 4,000 feet per minute
Dimensions	14-1/2"L x 5"W x 4"D
Weight	4.0 lbs.
Reset time	0.3 seconds (maximum)
Approval	UL, ULC, FM, CSFM, MEA

REMOTE ALARM AND TEST STATIONS

UNI-LINE ORDER NO.	REPLACES MODEL	DESCRIPTION
RA-911	—	REMOTE ALARM INDICATOR
RA-912	—	REMOTE ALARM INDICATOR/TEST/RESET
RA-913	—	REMOTE POWER/ALARM INDICATOR/TEST/RESET

MISCELLANEOUS ACCESSORIES

UNI-LINE ORDER NO.	REPLACES MODEL	DESCRIPTION
21-280	MO2-04	CALIBRATED TEST MAGNET
21-398	—	SMOKE DETECTOR TESTER
21-399	—	ADAPTOR FOR 21-398