



59-4650-10TB

Wiring Harness for InSight II Scanners

Description

To provide an easy method of wiring the InSight II scanners in a "multi-drop" configuration for remote PC communications, Fireye offers the 59-4650-10TB Wiring Harness.

The Wiring Harness is comprised of a junction box with two ten-foot cables, (one 59-546 (eight-conductor) and one 59-547 (twelve-conductor)), with female quick disconnects for mating with the InSight II scanner. The two cables are factory-wired to terminal blocks inside the junction box. The junction box has four 3/4" threaded openings for the entry of incoming cabling from the burner management system and to the adjacent scanners.

See bulletin CU-113 for detailed scanner wiring connections.

IIVSIGITI II					Incoming Cable	
CONNECTIONS						CONNECTIONS
BLUE/RED STRIPE	\wedge	POWER (+) 24VDC		1		
BLACK/ORG STRIPE		POWER (-) 24VDC				
BLUE/BLACK STRIPE		REMOTE FILE SELECT 1		3	•	
BLACK/YELLOW STRIPE		REMOTE FILE SELECT 2			•	
RED/WHITE STRIPE		4-20ma OUT FR1 (+)	•	4	•	
YELLOW/BLACK STRIPE		4-20ma OUT RTN (-)	•	5	•	
RED/BLACK STRIPE	1/	4-20ma OUT FR2 (+)	•	6	•	
ORANGE	ΛÝ	FAULT (COM)	•	7	•	
VIOLET		FAULT (NO)	•	8	•	
BROWN/ ORANGE STRIPE	ΥΛ	RS-485 COMM A	•	10	•	
ORANGE/BLACK STRIPE		RS-485 COMM B	•	11	•	
BLACK	\wedge	FR1 FLAME RELAY (COM)	•	12	•	
RED		FR1 FLAME RELAY (NO)	•	14	•	
TAN		FR1 FLAME RELAY (NC)	•	15	•	
BROWN		FR2 FLAME RELAY (COM)	•	16	•	^
BLUE		FR2 FLAME RELAY (NC)	•	17	•	INSIGHT
YELLOW	1	FR2 FLAME RELAY (NO)	•	18	•	CONTRACTOR OF THE PARTY OF THE
	V		•	19	•	Vcanners
CABLE 59-546			•	20	•	fireve



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