

# 61-7379 Cable Adapter



InSight 1 / 95DSS3-1WINC

61-7379 Cable Adapter				45FS1 / 45UVFS1		25SU5-5011	25SU3-2100
Female Quick Disconnect Pin Number	Function	Male Quick Disconnect Pin Number	Original Function	59-471 / 59-470* Wire Color	Terminal	Terminal	
A	Input Power 24 VDC (+)	1	Input Power 24 VDC (+)	Black	20	D8 / Z8	
B	Input Power 24 VDC (-) 4-20mA (-)	⊥	Common	White	C/13	D4 / Z4	
C	Flame Relay / Fault Relay	2	Shutter	Red	1	D6 / Z6	
D	Flame Relay / Fault Relay	3	Flame Signal	Green	14	D2 / Z2	
J	RFS 1	5	RFS 1	Blue	N/A	N/A	
G	4 – 20 mA (+)	7	RFS 2	Yellow	N/A	N/A	
L	RS485 Comms (A)	4	RS485 Comms (A)	Brown *	N/A	N/A	
M	RS485 Comms (B)	6	RS485 Comms (B)	Orange *	N/A	N/A	

The 61-7379 cable adapter is designed to upgrade an existing 45FS1 / 45UVFS1 flame scanner using the 59-471 or 59-470 cable to an InSight 1 (e.g., 95DSS2-1) or 95DSS3-1WINC flame scanner. The male end of the 61-7379 plugs into the existing 59-470 / 59-471 cable. The female end plugs into the InSight 1 or 95DSS3-1WINC. The above chart details the InSight function, original 45FS1/45UVFS1 function, quick disconnect pin numbers, wire colors, and terminals on the existing amplifier (e.g., 25SU5-5011). The existing amplifiers will need to be removed and the wires relocated to the appropriate BMS terminal locations (e.g., red and green wires of the 59-470 / 59-471 now provide status of flame relay / fault relay). The existing amplifiers could be used to provide input power to the InSight 1 / 95DSS3-1WINC flame scanners.

\* Note: The 59-470 cable only provided six (6) wires and did NOT include the brown and orange twisted pair wires for RS485 remote communications.