



- NOTES:**
- HAZARDOUS VOLTAGES ARE PRESENT. CONTACT WILL CAUSE ELECTRIC SHOCK OR BURN. TURN OFF AND LOCK OUT POWER BEFORE SERVICING.
 - THE MAINS POWER SUPPLY VOLTAGE CAN BE 110 VAC OR 220 VAC (50/60HZ) TO BE SPECIFIED AT THE TIME OF ORDER. MAINS POWER SUPPLIED TO THE UNIT TO BE INSTRUMENTATION QUALITY AND TRANSIENT FREE. POWER CONSUMPTION IS 50W MAXIMUM
 - 4-20mA ISOLATED 4 WIRE INTERFACE CAPABLE OF DRIVING AN 800 OHM LOAD. FOR CORRECT OPERATION OF THE INSTRUMENT TERMINALS 7 AND 8 MUST BE BRIDGED IF THE 4-20mA IS NOT USED (NOT CONNECTED TO A PLC).
 - SYSTEM OK NORMALLY ACTIVE RELAY OUTPUT. THE CHANGE OVER CONTACT IS RATED AT 5A/250VAC or 5A/30VDC FOR RESISTIVE LOADS; 2A/250VAC or 3A/30VDC FOR INDUCTIVE LOADS. INDUCTIVE LOADS MUST BE FITTED WITH A FLYBACK DIODE (DC) OR SNUBBER NETWORK (AC) AT THE LOAD.
 - ALARM NORMALLY ACTIVE RELAY OUTPUT. THE CHANGE OVER CONTACT IS RATED AT 5A/250VAC or 5A/30VDC FOR RESISTIVE LOADS; 2A/250VAC or 3A/30VDC FOR INDUCTIVE LOADS. INDUCTIVE LOADS MUST BE FITTED WITH A FLYBACK DIODE (DC) OR SNUBBER NETWORK (AC) AT THE LOAD.
 - CONNECTION BOARD FUSE FS1 - 1.6A 250VAC 5X20MM SLOW BLOW (T).
 - SCINTILLATION DETECTOR POWER SUPPLY FUSE FS1 - 200mA 250VAC 5X20MM SLOW BLOW (T).
 - SW1 MUST BE SET TO POSITION 1. SW2 MUST BE SET TO POSITION 3.
 - ENCLOSURE MATERIAL IS POLYCARBONATE RATED TO IP65 WHEN SUITABLE CABLE GLANDS ARE FITTED. REFER TO XXXXXX FOR ENCLOSURE DIMENSIONS.
 - OPTIONAL PROFIBUS-DP, PROFIBUS-PA AND DEVICENET INTERFACE BOARDS CAN BE FITTED. REFER TO FIELDBUS DRAWING FOR INFO.
 - mA THRESHOLD FOR RADIATION LIMIT. THE THRESHOLD IS FACTORY SET - DO NOT ADJUST. REFER TO THE DIP SWITCH SETTINGS TABLE TO VERIFY SETTINGS. YELLOW LED ON: RELAY ACTIVE (ALARM INACTIVE). RED LED ON: OVERRANGE. RED LED FLASHING: FAULT.
 - mA THRESHOLD FOR SYSTEM OK. THE THRESHOLD IS FACTORY SET - DO NOT ADJUST. REFER TO THE DIP SWITCH SETTINGS TABLE TO VERIFY SETTINGS. YELLOW LED ON: RELAY ACTIVE (SYSTEM OK). RED LED ON: OVERRANGE. RED LED FLASHING: FAULT.

DIP SWITCH	1	2	3	4	5	6	7	8
RADIATION LEVEL THRESHOLD	ON	ON	ON	OFF	OFF	ON	OFF	ON
SYSTEM OK THRESHOLD	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF

DC	26.10.2015	K.FOURE	CHANGED SYSTEM OK THRESHOLD DIP SWITCH SETTINGS TO 48 BULL.	LTHORNTON	LTHORNTON
DI	12.10.2015	K.FOURE	ISSUED FOR DISTRIBUTION	LTHORNTON	LTHORNTON
DO	08.10.2015	K.FOURE	ISSUED FOR COMMENTS	LTHORNTON	LTHORNTON
REV	DATE	BY	DESCRIPTION	ENG APPROVED	REVIEWED

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ENG APPROVED	DATE	TITLE
LTHORNTON	07.10.2015	RADIATION MONITOR MODEL RM321 INTERCONNECT WIRING DIAGRAM
DRAWN BY	DATE	CUSTOMER
K.FOURE	07.10.2015	**
REVIEWED BY	DATE	JOB REF NO.
LTHORNTON	07.10.2015	**
Tolerance unless otherwise specified		SCALE:
\$100mm±0.1mm	±0.100mm±0.05mm	**
\$200mm±0.1mm	±0.100mm±0.05mm	N.T.S. A3
\$250mm±0.1mm	±0.100mm±0.05mm	DWG. NO.
\$300mm±0.1mm	±0.100mm±0.05mm	WIR006-003-206
\$400mm±0.1mm	±0.100mm±0.05mm	SHEET 1 of 1 REV
\$500mm±0.1mm	±0.100mm±0.05mm	02

K.FOURE
 26.10.2015
 R&D DEPT
 LATEST REVISED FOR REVIEW

ALARM NOTE 5
 SYSTEM OK NOTE 4
 4-20mA DOSE RATE PER HOUR NOTE 3
 MAINS POWER SUPPLY 220/110VAC 50/60HZ ISOLATE BEFORE OPENING ENCLOSURE NOTE 1, 2