

REF.	SOFTWARE FITTED	U2 EPROM/FLASH			U3 CHIP TYPE (3)	U3 EEPROM/FLASH				RAM U4 LK24	ADDRESS SELECT LK8	SERVICE MODE LK2	WRITE PROTECT LK7	CTS LK9	DCD LK10	LK11 & LK12	RZDU LK14 & LK15	MAINS ON LED AC/DC LK16	BATTERY V.LOW NZ/AUS LK17	CODE WR/PROT LK20	U8 PAL
		LK13	LK22	LK21		LK1	LK4	LK5	LK23												
PA0974	AS4428 PARENT NO S/W	2-3	2-3	2-3	X9F040	2-3	2-3	2-3	2-3	1-2	1-2	FIT	PROT	WIRE	WIRE	NF	M	AC	AUS	PROT	1.10
ANY (4)	F3200/NDU V3.XX	2-3	1-2	2-3	28C64/256	1-2	1-2	NF	1-2	1-2	1-2	FIT	PROT	WIRE	WIRE	(1)	M	(2)	AUS	PROT	ANY
ANY (4)	F3200/NDU V4.XX	2-3	2-3	2-3	-	1-2	1-2	NF	1-2	1-2	1-2	FIT	PROT	WIRE	WIRE	(1)	M	(2)	AUS	PROT	ANY
ANY (4)	F3200/NDU V5.XX OR LATER	2-3	2-3	2-3	X9F040	2-3	2-3	2-3	2-3	1-2	1-2	FIT	PROT	WIRE	WIRE	(1)	M	(2)	AUS	PROT	1.10
PA0871	AS4428 RDU V5.XX OR LATER	2-3	2-3	2-3	X9F040	2-3	2-3	2-3	2-3	1-2	1-2	FIT	PROT	WIRE	WIRE	(1)	R	(2)	AUS	PROT	1.10
PA0975	AS1603 PARENT NO S/W	2-3	2-3	2-3	X9F040	2-3	2-3	2-3	2-3	1-2	1-2	FIT	PROT	WIRE	WIRE	NF	M	AC	AUS	PROT	1.10
(4)	AS1603 F3200/NDU V2.XX	2-3	1-2	2-3	28C64/256	1-2	1-2	NF	1-2	1-2	1-2	FIT	PROT	WIRE	WIRE	(1)	M	(2)	AUS	PROT	ANY
PA0798	AS1603 RDU V5.XX OR LATER	2-3	2-3	2-3	X9F040	2-3	2-3	2-3	2-3	1-2	1-2	FIT	PROT	WIRE	WIRE	(1)	R	(2)	AUS	PROT	1.10
PA0798	AS1603 RDU V2.XX	1-2	1-2	2-3	28C256	1-2	1-2	NF	1-2	1-2	2-3	FIT	PROT	WIRE	WIRE	(1)	R	(2)	AUS	PROT	1.00
PA0799	PTM, MODBUS BRIDGE	1-2	1-2	2-3	28C256	1-2	1-2	NF	1-2	1-2	2-3	FIT	PROT	WIRE	WIRE	FIT	R	DC	AUS	PROT	1.00
PA0799	NLDU	1-2	1-2	2-3	28C256	1-2	1-2	NF	1-2	1-2	2-3	FIT	PROT	WIRE	WIRE	FIT	M	DC	AUS	PROT	1.00

LINKS MUST BE SET ACCORDING TO THE BOARD TYPE AND VERSION OF SOFTWARE FITTED IN THE BOARD.

F3200 CONTROLLER IS SUPPLIED IN TWO FORMATS: AS4428 AND AS1603. PA0909 IS AS4428 SPARE, PA0804 IS AS1603 SPARE. TABLES BELOW SHOW PRODUCT PART NUMBERS THAT CAN BE REPLACED WITH EACH ITEM. FIT LINKS AND ICS ACCORDING TO THE BOARD TYPE AND VERSION OF SOFTWARE FITTED. PA0804 INCLUDES BOTH VERSIONS OF PAL CHIP (U8). RDU V2.XX REQUIRES PAL V1.00. F3200/NDU/RDU V5.XX REQUIRE PAL V1.10.

(2). IF THE CONTROLLER IS POWERED FROM A MAF BOARD, FIT LK16 IN THE AC POSITION. OTHERWISE FIT LK16 IN THE DC POSITION.

(3). RDU V2.XX, PTM, NLDU, MODBUS BRIDGE REQUIRE A 28C256 EEPROM FITTED TO U3. F3200/NDU V2.XX AND V3.XX REQUIRE EITHER 28C64 OR 28C256 EEPROM IN U3. F3200/NDU V4.XX NEED U3 EMPTY. F3200/NDU V5.XX OR LATER REQUIRE 512K FLASH 29F040/39F040 FITTED TO U3. ALL BOARDS REQUIRE 628128 RAM FITTED TO U4.

(4). F3200 V3.XX OR LATER CAN BE FITTED TO ANY OF PA0870, PA0909, PA0797, PA0804. NDU V3.XX OR LATER CAN BE FITTED TO ANY OF PA0989, PA0909, PA0990, PA0804. NDU V2.XX CAN BE FITTED TO PA0990 OR PA0804. F3200 V2.XX CAN BE FITTED TO PA0797 OR PA0804.

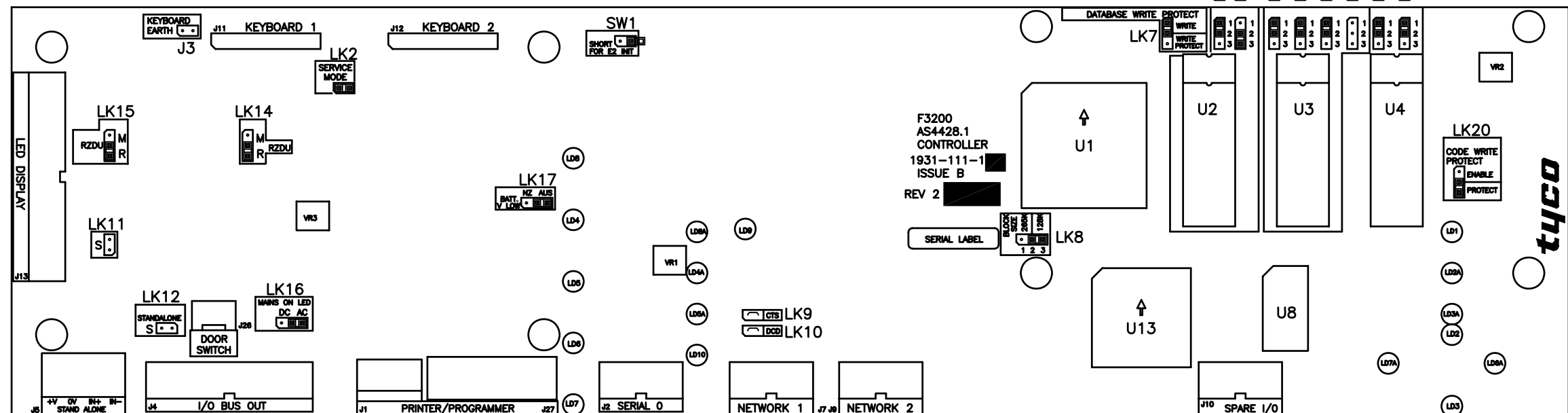
(5) FOR NETWORKING PA0870/PA0797 NEED TO HAVE DUART (U13) FITTED.

IF PA0909 SPARE NOT AVAILABLE, PA0870 (F3200), PA0871 (RDU) AND PA0989 (NDU) ARE INTERCHANGABLE; IF PA0804 SPARE IS NOT AVAILABLE PA0797 (F3200), PA0798 (RDU) AND PA0990 (NDU) ARE INTERCHANGEABLE; PROVIDED: CORRECT FIRMWARE IS INSTALLED IN U2 (SF0423 FOR F3200/NDU AND SF0424 FOR RDU), U13 IS FITTED FOR NDU AND NETWORK F3200, U3 IS CORRECT TYPE, U8 PAL VERSION IS CORRECT, AND LINKS ARE SET ACCORDING TO TABLE.

NOTES

(1). IF THE CONTROLLER IS POWERED FROM A MAF BOARD, DO NOT FIT LK11 OR LK12. OTHERWISE FIT BOTH LK11 AND LK12.

AS4428 BOARDS	
PA0909	SPARE
PA0870	F3200 (5)
PA0871	RDU
PA0989	NDU
AS1603 BOARDS	
PA0804	SPARE
PA0797	F3200 (5)
PA0798	RDU
PA0990	NDU



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UNLESS OTHERWISE STATED: ALL DIMENSIONS IN MILLIMETRES. DO NOT SCALE. TOLERANCES ARE TO BE: 1 DECIMAL PLACE ±0.5, 2 DECIMAL PLACES ±0.3, 3 DECIMAL PLACES ±0.1

3rd ANGLE PROJECTION

ISS/REV	AMENDMENTS	ECO	DRN	CHKD	AUTH	APVD	DATE
A	ORIGINAL	3229	GEL	LSC	LSC	DSCP	26.11.02
B	NEW F3200 V4.00 SOFTWARE AND CORRECTIONS.	3362	KJS	GP	LSC	DSCP	27-3-03
C	EXTRA TITLE INFORMATION AND NOTE 3 ADDED.	3505	RMH	GEL	RAC	DSCP	16-3-04
D	TABLE UPDATED. NOTE 4 ADDED. AS4428/AS1603 TABLE ADDED.	3997	KJS	GFP	RAC	DP	17-2-09
E	NOTE 5 ADDED, NOTE 3 CHANGED, TABLE UPDATED.	ECS1440	KJS	GEL	RC	DS	16-6-10

tyco / Safety Products

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F3200 CONTROLLER BOARD
1931-111 ISSUE B OR LATER
LINK SETTING AND MEMORY INFO

DRAWING No: 1931-126 SHEET 1 of 1

A3 | ISS/REV E | PART No: LT0330