



NOTES

- THERE ARE VARIOUS OPTIONS OF MEMORY DEVICE TYPE. EXPECTED ONES ARE SHOWN WITH THEIR LINK CONFIGURATIONS IN THE ADJACENT TABLE.
- THE MEMORY IC PIN NUMBERS IN BRACKETS ARE FOR 28 PIN DEVICES.
- WHEN FITTING 28 PIN DEVICES INTO 32 PIN SOCKETS THE BOTTOM OF THE DEVICE MUST ALIGN WITH THE BOTTOM OF THE SOCKET.
- LK8 WOULD ONLY BE FITTED IN POSITION 1-2 IF AN ENLARGED MEMORY SPACE WAS REQUIRED. EG. 256KBYTE EPROM IN U2. (NON DEFAULT POSITION)
- 6264 HAS CS- ON PIN 26 (A13) SO ONLY WORKS IN EVERY SECOND 8K BLOCK.

MEMORY OPTIONS IN U2 EPROM/FLASH

DEVICE	PINS	LK13	LK22
EPROM			
27C512	28	1-2	1-2
27C010	32	1-2	1-2
27C020	32	2-3	1-2
FLASH			
'010	32	1-2	1-2
'020	32	2-3	1-2
'040	32	2-3	2-3

MEMORY OPTIONS IN U3 EPROM/FLASH

DEVICE	PINS	LK1	LK4	LK5	LK23
EPROM					
28C64	28	NF	NF	NF	1-2
28C256	28	1-2	1-2	NF	1-2
28C010	32	2-3	2-3	1-2	1-2
FLASH					
'010	32	2-3	2-3	2-3	1-2
'020	32	2-3	2-3	2-3	2-3
'040	AS '020.	ONLY HALF VISIBLE.			

FLASH CHIPS U2/U3

'010	= 29C010, 29F010, 395F010
'020	= 29C020, 29F020, 395F020
'040	= 29C040, 29F040, 395F040

RAM ONLY IN U4

DEVICE	PINS	LK21	LK24
6264	28 (SEE NOTE 5)	1-2	1-2
62256	28	1-2	1-2
628128	32	1-2	1-2
628512	32	2-3	2-3

NF = NOT FITTED

F3200 CONTROLLER VERSIONS

VERSION	PA No	DESCRIPTION	RZDU COMMS	DUART & SPARE IO	RAM	EEPROM
1931-111-1	PA0870	FIP CONTROLLER / DISPLAY	MASTER	U13-NF	32K	8K
1931-111-2	PA0871	RZDU CONTROLLER / DISPLAY	MASTER	U13-NF	32K	32K
1931-111-3	PA0872	PROTOCOL TRANSLATION MOD.	MASTER	FITTED	128K	32K

UNLESS OTHERWISE STATED:
ALL RESISTANCE IN OHMS
ALL RESISTORS 1/4W, 5%
ALL CAPACITANCE IN FARADS

193111b.S02
Sheet 2

PA0870
PA0871
PA0872

26-Jun-2002
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ISS/REV	AMENDMENTS	ECO	DRN	CHKD	AUTH	APVD	DATE
1	AS4428.1 CHANGES PCB No WAS 1931-04. ADDED LEDA. NEW PA No's. LINK POSITION NUMBERING ADDED TO LK1, 4-8, 13	3041	TWH				08.03.00
2	UB WAS TYPE 74HC139. MEMORY SELECTOR LINKS & OPTION TABLES REVISED. (LK3 & 6 DELETED. LK20-24 ADDED. J27 & R118,120,124,125,022 & 23 ADDED. LK16 & R118 ADDED)	3229	GEL				12.11.01

tyco
Fire & Security
Tyco Electronic
Product Group
211 MACES RD. TEL: +64 3 389-5096
P.O. BOX 19-545. FAX: +64 3 389-5938
CHRISTCHURCH 8006, NEW ZEALAND

F3200 AS4428.1 CONTROLLER BOARD CIRCUIT DIAGRAM

DRAWING No: **1931-111** SHEET **1** of **2**

A1 ISS/REV **2** PART No: **SEE ABOVE**