

MIOU/ LIOU

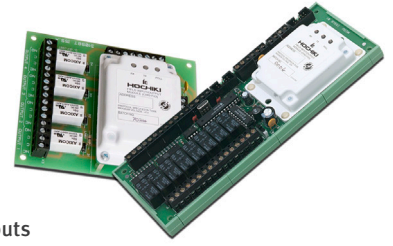
Multi Input/ Output Unit

Features - MIOU

- ▶ Multiple inputs and outputs at one address
- ▶ Opto isolated inputs
- ▶ Volt free contact or switched voltage outputs
- ▶ Considerable space and cost saving over discreet I/O units
- ▶ Easy clip-on din rail mounting method
- ▶ Compatible with Solo, Syncro AS and Syncro control equipment
- ▶ 24V DC powered. Low standby supply current
- ▶ Hochiki ESP protocol

Features - LIOU

- ▶ Four optically isolated inputs
- ▶ Four volt free changeover relay contact outputs
- ▶ 24V DC powered. Low standby supply current
- ▶ Small footprint
- ▶ Cost effective for concentrated I/O applications
- ▶ Built in short circuit isolator
- ▶ Compatible with Syncro and Syncro AS addressable fire control panels
- ▶ Hochiki ESP protocol



Description

Product description- MIOU

Occupying less than 20% of the space required by conventional I/O units, the MIOU replaces the large and expensive enclosures normally required for this application.

With 8 opto-isolated inputs and 8 volt-free relay contacts (relay outputs individually selectable as normally open, normally closed or switched voltage outputs), the MIOU will find a multitude of uses in concentrated I/O applications.

Product description- LIOU

LIOU Lite provides 4 inouts and outputs to a Hochiki analogue addressable detection loop in a compact and cost effective package.

The LIOU lite can replace up to four addressable modules in approximately the same space taken by one standard module and is ideal for applications where a concentration of I/O is needed in a limited space.

The modules can be addressed with the Hochiki, hand held programmer in the range 1 to 127.

All inputs and outputs are fully configurable for any action and for cause and effect via the Syncro Loop Explorer configuration utility.

The LIOU connects to the ESP loop as per all other ESP devices. Consider the maximum number of sub-addresses when using LIOU.

Each unit has an integral short circuit isolator which provides further cost and space saving.

Specification- MIOU

Boxed unit battery capacity	2.6Ah 12V (2 per unit)
Finish- lid & box	Epoxy powder coated
Colour- lid & box	BS 00-A-05 grey - fine texture
Boxed unit IP rating	IP30
Module mounting	Symmetrical or asymmetrical din rail
Communication protocol	Hochiki ESP
Supply voltage H6600001	24V DC
Supply Voltage H6675001	110 or 230V AC 50 or 60 Hz. (specify when ordering, default is 230V)

Quiescent supply current	10 milliamps
Input operated current	3 milliamps
Output operated current	18 milliamps
Input trigger resistance	1k maximum
Output contact rating	30V DC 1 Amp maximum
Switched- ve output	65 milliamps maximum per output
Minimum recommended PSU	750 milliamps at 24V DC

Operating temperature	-5 to +40 deg. C
Device sub-address count	17 (of 800 permitted in Syncro / Syncro AS panel)
Address setting	Hochiki hand held programmer (see TB1010)

Specification- LIOU

Boxed unit battery capacity	2.6Ah 12V (2 per unit)
Finish- lid & box	Epoxy powder coated
Colour - lid & box	BS 00 A 05 grey - fine texture
Module mounting	4 x4mm holes in PCB
Communication protocol	Hochiki ESP
Supply voltage (K507 & HL6600M2)	21 to 30V DC
Supply voltage (HL66750M2)	230V AC
Mains fuse for HL67750M2	20mm ceramic 2A/250V fast acting

Quiescent supply current	10 milliamps
Input operated current	3 milliamps
Output operated current	18 milliamps
Input trigger resistance	1k maximum
Output contact rating	30V DC/2A - 230V AC/0.5A
Minimum recommended PSU	750 milliamps at 24V DC
Operating temperature	-5 to +40 deg. C

Device sub-address count	17 (of 800 permitted in Syncro/ Syncro AS panel)
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Range

Product Code	Module	PSU	Weight	Size (mm)
K559 (Module Only)	MIOU	-	0.3kg	203(L) x 77(W) x 45(D)
H66000M2	MIOU	-	3.6kg	385(L) x 310(H) x 90(D)
H66750M2	MIOU	750mA	6.8kg	385(L) x 310(H) x 90(D)
K507	LIUO	-	0.2kg	119(L) x 99(W)
HL66000M2	LIUO	-	3.6kg	385(L) x 310(H) x 90(D)
HL66750M2	LIUO	-	6.8kg	385(L) x 310(H) x 90(D)

Note

MIOU & LIOU are currently compatible with Syncro AS control panels only.

MIOU & LIOU support Hochiki ESP protocol only.

Inputs on MIOU & LIOU are not monitored.

