



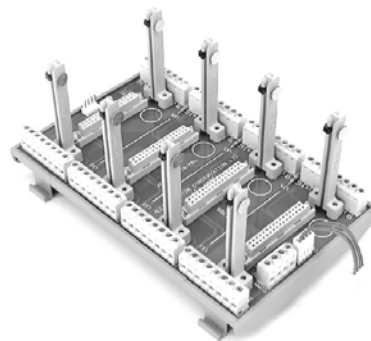
**Overview**

Motherboards can be butted up to each other on a run of DIN rail and linked together with the I<sup>2</sup>C bus jumper ribbons (supplied). If motherboards are sited in other positions connection is via 4 core cable (not supplied). ACM-X motherboard slots are universal and any type of I/O module can be fitted into any slot. Once a slot is chosen for a module and the motherboard terminals are wired out to sensors and plant, the slot becomes dedicated. A colour key is applied to minimise the possibility of any future module mismatch.

Each slot on the motherboard comprises a robust precision socket plus two miniature lockable card guides. The socket is connected through the motherboard to standard terminals, each able to contain a conductor of up to 1.5mm<sup>2</sup>.

Once pressed home into its socket with the guide locks secured, the module is safe from any disconnection by accidental hand contact or by mechanical vibration in the control panel.

Motherboards need to be located close (<2m cable length) to the ACM-X/CON in the panel.



**Specification**

Enclosure :	Green techno polymer nylon (rated UL 94 V0).
Dimensions :	168 (w) 113 (h) 160 (d) mm (depth measurement is from back plate of panel, includes DIN rail and assumes an I/O module is fitted).
Mounting :	'T' type & 'G' type asymmetric DIN rail.
Weight	50g
Storage temperature :	-65°C to 125°C.
Operating temperature :	0°C to 70°C.
Terminations :	Screw terminal connectors accept cable from 0.5 to 1.5mm diameter.
I/Os :	Dependant upon the module inserted.
I <sup>2</sup> C Bus :	<100mm = 4 core unscreened, >100mm and <2M = 4 core screened, (ensure separation from mains switching cables within cable trunking).