

# Installation Guide

## SI-2-D System Integrator



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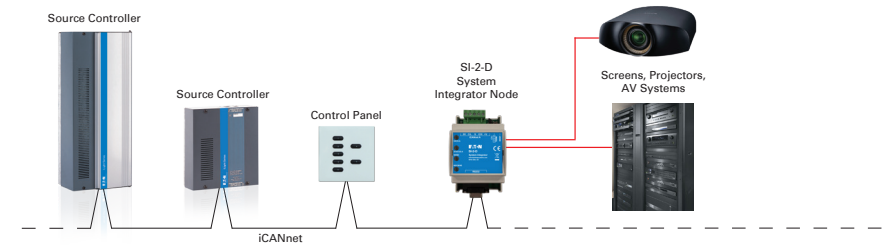


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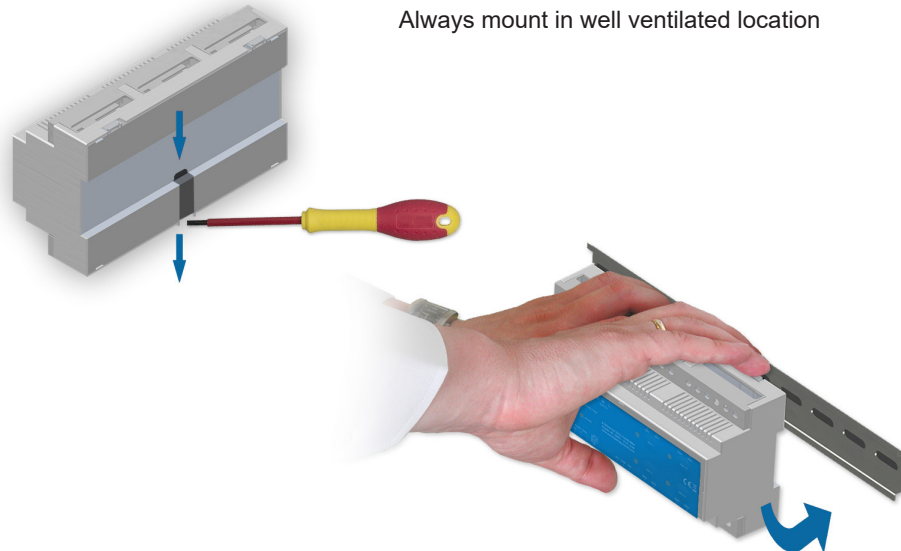


### Typical Network Schematic



### Mounting

Always mount in well ventilated location



### Mechanical

Weight: 0.1 kg

Operating temperature: 0°C to +50°C

Max storage temperature: +60°C

Humidity: +5 to 95% non-condensing

Environmental protection: IP20

Installation: Installation must be carried out by a suitably qualified electrician and installed in a suitable DINrail enclosure rated for the intended environment.

### Electrical

Supply: 9 – 24Vdc via iCANnet™

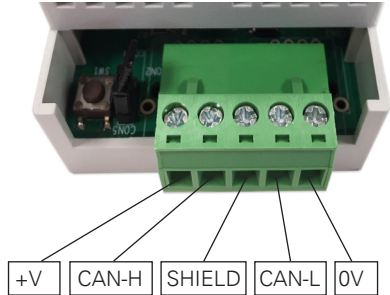
iCANnet™ inputs/output: Screw terminals

# SI-2-D

## System Integrator

### iCAN network wiring

Cable connections to the iCAN network are made to a removable 5-way connector block located at one end of the SI-2-D unit:



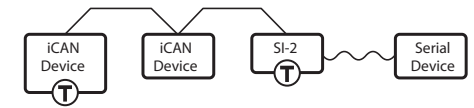
Function	Network Cable Colour
0V	Black
CAN L	White
Shield	Silver
CAN H	Blue
+V 40mA	Red

A maximum segment distance of 500m is possible if an additional 12V power supply is used.



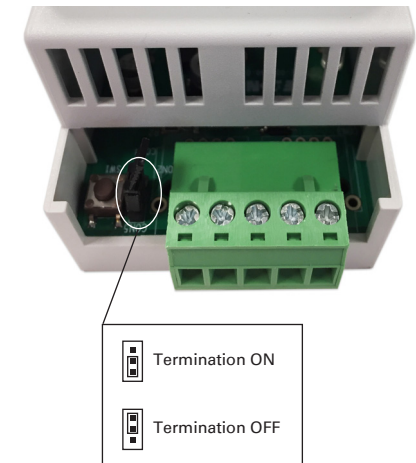
### Network Termination

The iCAN network follows a daisy chain topology that requires termination on the devices located at either end of the network.



The SI-2-D unit is supplied with termination disabled as standard. If it is connected as an end device in the iCAN network, you need to move the jumper to enable termination.

The connection of the serial data cable to the device is treated separately and has no impact on whether or not the SI-2-D should be terminated on the iCAN network side. To enable SI-2-D termination, move the jumper outwards from the inner two pins to the outer two pins:



### Device LEDs

#### At iCANnet end

##### Data A LED

Red flashing: Traffic being sent and/or received  
Red on: iCAN network comms error

##### Status A LED

Green flashing: Normal operation

#### At the RS232 end

##### Send LED

Green flashing: RS232 data received

##### Receive LED

Red flashing: RS232 data sent