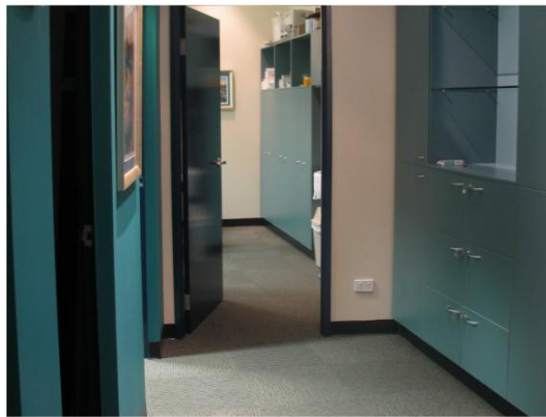




UNDER CONSTRUCTION Q2 2010
Tumo, Armenia. Epygi. 60pc DIDIO 7017

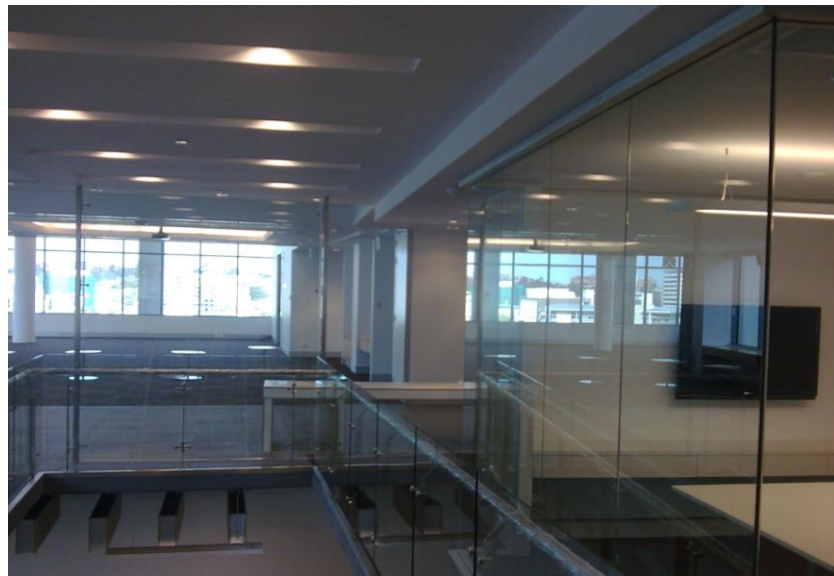


Health Matters (Medical), 11pc DIDIO 7017



CONTROL FREAK® DIDIO Series 7

Model 7017
DALI Power Supply
DALI Scene Controller
RS232 SCI



SKM SW1 Southbank. 551 sensors, 40pc DIDIO 7017, 18pc LIDA. D&M.

UNDER CONSTRUCTION 2010:
William McCormack Place. MGF.
48pc DIDIO 7017, 85pc LIDA-F DALI Fan Controllers, 5pc SLAMMOs, 17pc LIDA v1.4 PCBs

Highest Power Supply for DALI at 21.5vdc 245mA
12 DALI Scenes mapped to 12 inputs
Expandable (by special order)
Upgradeable (by firmware)
Safety extra low voltage
Convenient din mount
24-month warranty
DALI compliant
Space-saving
Economical
Proven

Compatible with all DALI-compliant devices
Tested compatible with DALI Serial Controllers
Compatible with standard momentary volt free
contacts including switch mechanisms, sensors

DALI power

The DALI standard specifies a maximum sinking current of 250mA for DALI devices, and a high level supply on the line of approx 22VDC. The DIDIO is rated at 22VDC 245mA, using a safe 24vdc input. The modular design of the DIDIO means that you can either use the DIDIO to power the DALI line, or remove the PSU daughter board and power the DIDIO from an external DALI line power supply.

Computers, and control systems that communicate by serial RS232

The DIDIO is RS232-ready and will act as a bi-directional Serial Communications Interface between computers and control systems & DALI devices. Special order DIDIOs can also be supplied that intercommunicate by RS232, so you can control multiple lines or add more inputs.

DALI Scenes

Just create your DALI Scenes with a suitable DALI tool like the Control Freak ADDICT, and the DIDIO will faithfully recall each scene at the touch of a button. This means you can use match your other power points and switches with the Scene recall switches, which is both more economical and aesthetically better integrated.

In large commercial projects, this Scene facility can be used to provide manual overrides at the switchboards for backups in case of system failures.

The DIDIO 7017 will automatically send a DALI Scene command whenever a trigger shorts between an input and GND. The 12 inputs initiate DALI Scenes 1 to 12 respectively (Scene 0 is omitted intentionally). There are also several other versions of the DIDIO available and bespoke actions for the inputs can also be optionally provided.

Prices

Pricing is incredibly inexpensive \$278 Trade including gst*. (Substantial discounts are available for volume, trade and OEM clients).

Other models/upgrades available

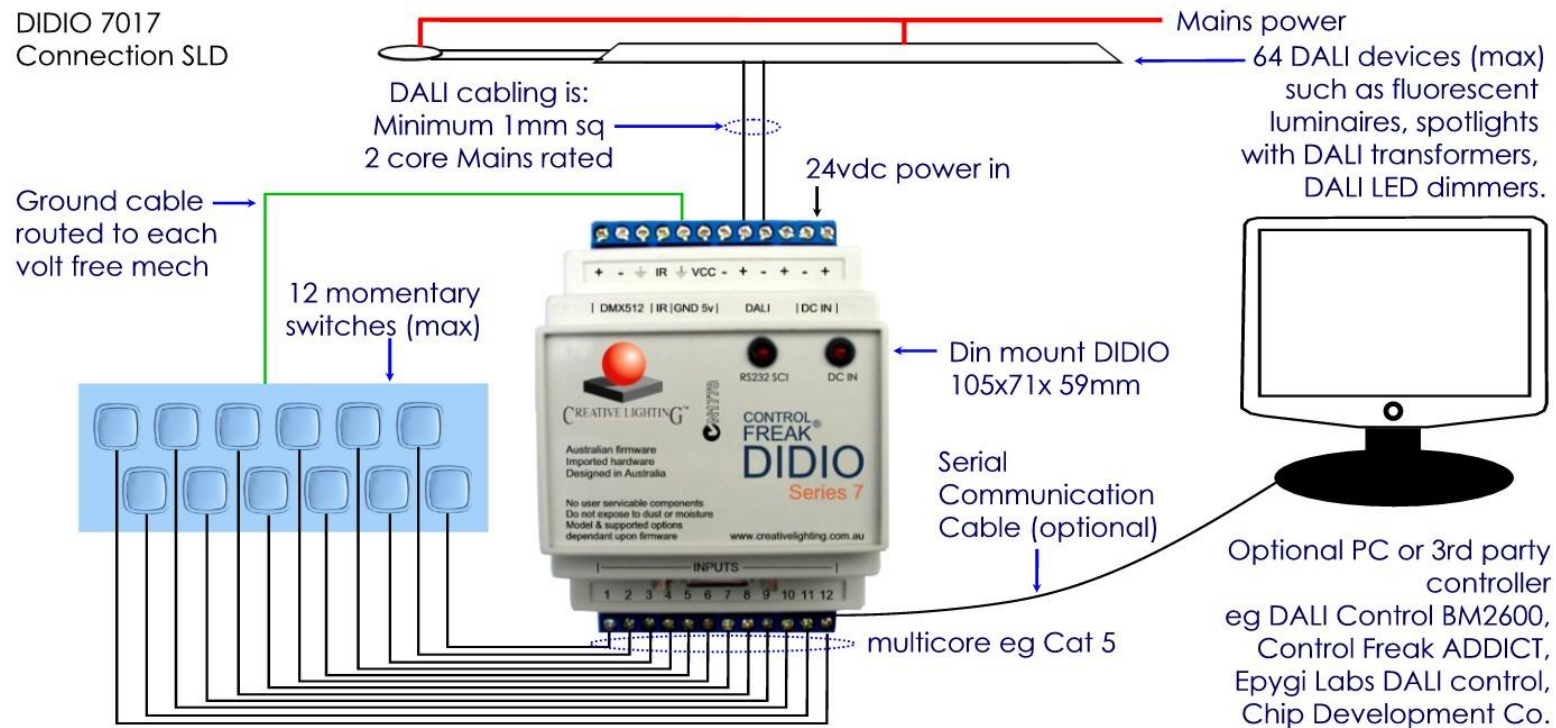
The DIDIO is available as numerous other models in the same convenient din mount package, with the only change required being the firmware loaded into the DIDIO. Other models of DIDIO include:

- DALI RGB Sequencers & Controllers. DALI RGBW Sequencers & Controllers. DALI to DMX interfaces. DALI Line Power Supplies & SCI. DALI Group Controllers. DALI Multifunction Controllers. DALI Room Controllers & Dimmers. Other Pushbutton/sensor interfaces to DALI. Infra-red remote control interfaces to DALI.
- DMX512 RGB Sequencers & Controllers. DMX512 RGBW Sequencers & Controllers. DMX512 to DALI interfaces. DMX Scene Controllers. DMX Multifunction Controllers. Infra-red remote control interfaces to DMX512.
- DSI Controllers.
- DIDIO Master/Slave expansion – special order.

*Manufacturer's Recommended Pricing including 10% GST. Prices and details are correct at time of publication and are subject to change without notice. Prices are AUD\$.

Specifications	Enclosure / cable	Mother board	Daughter boards	
			PSU	SCI
Protocols				
DALI	Terminals			
RS-232 SCI	9 pin D sub			
Power				
Line Power Output initial DALI voltage (@ 24v dc input) * Maximum (current limited) rating	-	-	21.5vdc 245mA	-
Input – range (recommended capacity pf psu is >/=500mA)	-	9-24vdc	-	-
Input – (recommended) regulated switch mode power supply *	-	24vdc	-	-
Current Drain on DALI power supply (if not externally powered)	-	13 mA	-	2 mA
Protection				
Polarity reversal on DC input	-	Immune	-	-
Over-current protection, Transient protection on DALI circuitry	-	S	S	-
Accidental mains connection to DALI Line	-	Immune	-	-
Physical				
Size (mm) (l) x (w) x (h/d) DIN MOUNT	105x71x 59	74x50x15	16x50 x11	14x35x11
Weight (grams, approximate, unpacked)	90	28	8	4
Materials	ABS beige	Lead-free	Lead-free	Lead-free
Status LEDs				
Indicating status led for input power present	S	S	S	-
Indicating status led for output power present	S	-	-	-
Indicating status led for DALI transmitting	-	-	S	-
Indicating status led for data activity	-	-	-	S
Functions - sci				
Scenes	Addresses	Groups	General	
16	64	16	All standard DALI commands – SCI Protocol datasheets available for OEMs on request	
	- DALI			
12	(64)	(16)	DALI Scenes 1 to 12 recall by input trigger (use DALI tool such as the ADDICT to programme scenes)	

Simple block diagram



Other Products

Creative Lighting also manufactures a range of DALI & DMX512 products under our Control Freak trademark:

ADDICT	Portable tools for installation, configuration, testing, debugging and back-ups
SLAMMO	V2.5 DALI, DMX512 3 channel led dimmer controllers.
	XC-1 MultiProtocol™ (DALI, DMX512, DSI, RDM) led controllers 4 DMX personalities, 15.2 bit 400hz full range dimming
DIDIO	DALI & DMX512 controllers, power supplies, scene controllers, sequencers, Serial Communications Interfaces, and translators
LIDA	DALI AC controllers. V1.4 1 or 2 channel DALI HID control with feedback. LIDA-F DALI AC Controllers for fans or contactors.
	LIDA-D Din mount enclosed DALI AC Controllers for fans or contactors
SHOWPRO	10-zone controllers for automated displays and lighting