DIR-TX8

Infrared Transmitter

Cost-effective infrared output integration

The Philips Dynalite DIR-TX8 is designed to provide cost-effective control of all types of infrared controllable devices, such as AV equipment.
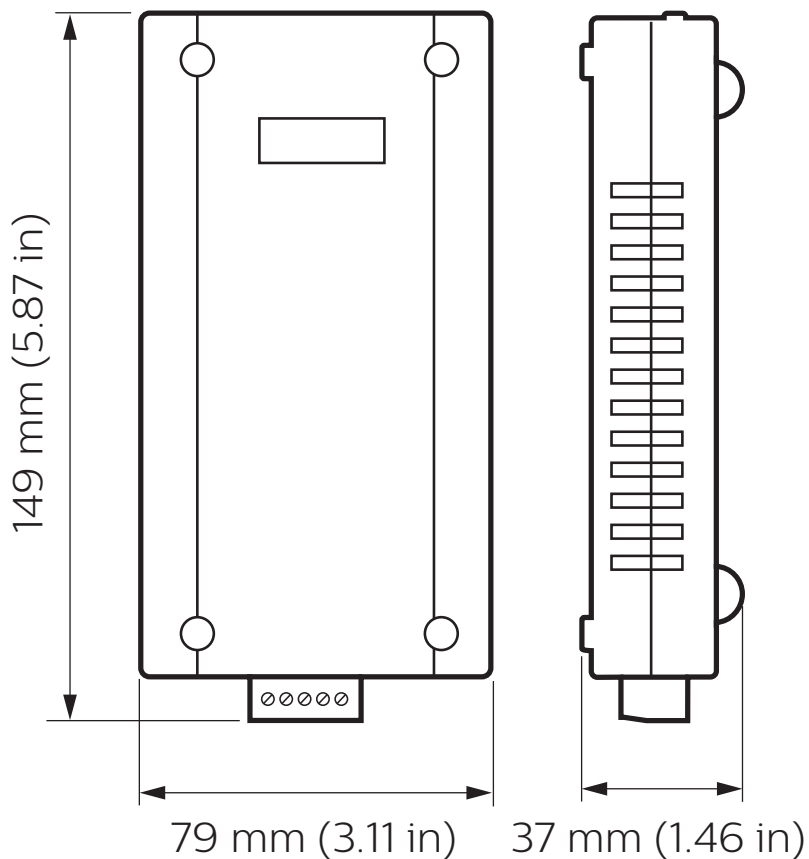
DIR-TX8
Cost-effective infrared output integration

- **Easy set-up** – PC editor software* accepts codes downloaded from the Internet.

- **Macro functionality** – Multiple IR codes can be arranged into macros and played back at any time with a single DyNet command.

- **Intelligent operation** – The device includes an internal Programmable Logic Controller and supports all Philips Dynalite script commands.

- **Compatible with any 3.5mm-to-IR-emitter lead**** – Supports up to four commonly available dual-emitter (stereo) or single-emitter (mono) leads, allowing up to eight individually configurable outputs.

* TPanLoad, available from Dynalite
** See diagram on next page for compatible 3.5 mm lead wiring.

Dimensions

149 mm (5.87 in)

79 mm (3.11 in) 37 mm (1.46 in)

Specifications

Due to continuous improvements and innovations, specifications may change without notice.

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Electrical

Supply Type	DyNet
Supply Voltage	12 VDC
Supply Current	50 mA
IEC Overvoltage Category	III

Control

Communication Ports	1 x RS-485
Supported Protocols	DyNet
Dry Contact Inputs	1 (AUX)
Control Output Channels	8 x infrared control
User Controls	1 x service switch
Indicators	1 x service LED

Physical

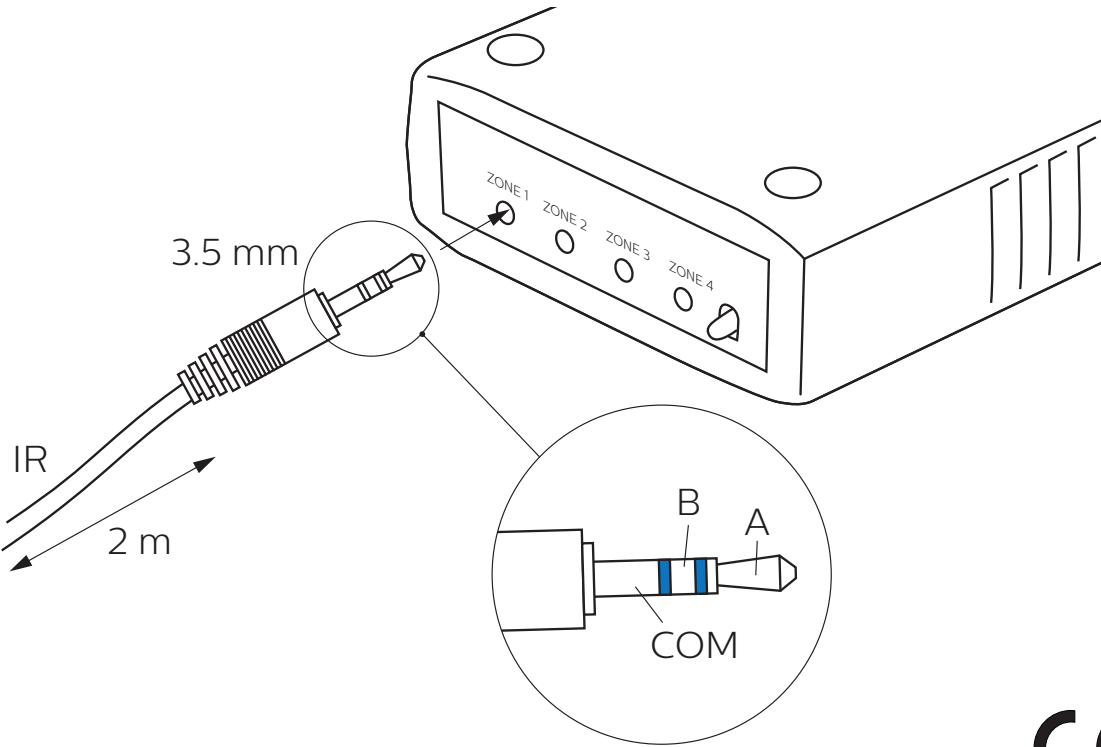|	
Dimensions (H x W x D)	37 x 79 x 149 mm (1.46 x 3.11 x 5.87 in)
Packed Weight	0.15 kg (0.33 lb)
Construction	ABS housing
Communication Ports	1 x 6-way pluggable screw terminal
Communication Terminal Conductor Size	2.5 mm^2 (#12 AWG) (max)
Infrared Control Terminals	4 x 3.5 mm stereo (female)
3.5 mm Stereo Termination	Tip = Zone 1-4 A Ring = Zone 1-4 B

Environment

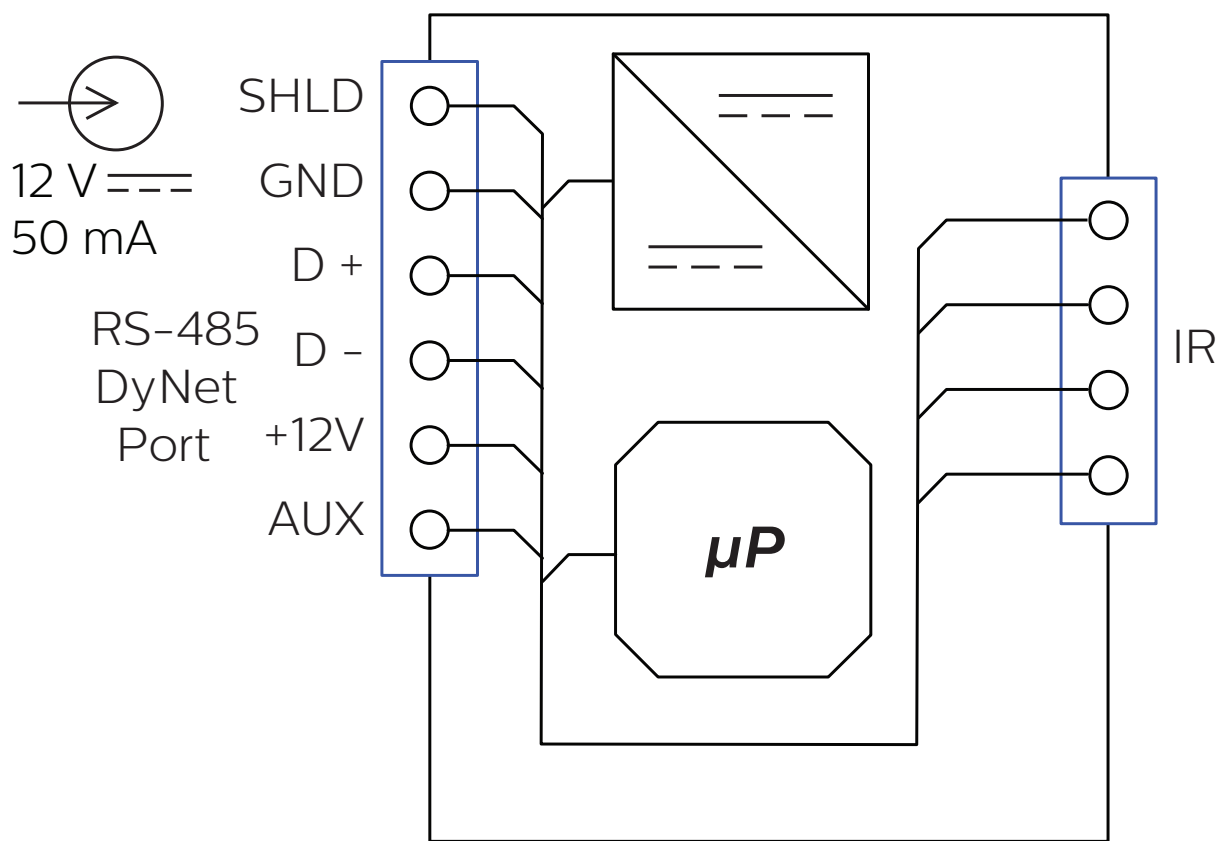|	
Operating Temperature	0° to 50°C ambient (32° to 122°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Relative Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

Compliance

Certification	CE, RCM, RoHS

IR emitter lead

The DIR-TX8 requires a third-party 3.5mm-to-IR emitter lead to send IR signals.
Both dual-emitter (stereo) and single-emitter (mono) leads are supported, provided
the 3.5 mm jack is wired as shown below.

Electrical

SHLD
GND
D +
D -
+12V
AUX

RS-485
DyNet
Port

12 V ⎓
50 mA

µP

IR

Ordering Code

Product	Philips 12NC
DIR-TX8 (IR emitter not included)	913703080009

PHILIPS