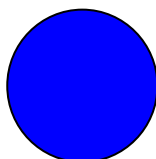
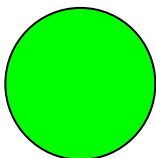
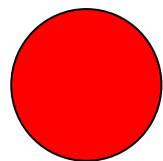


# IDS-1 Variable Intelligent Drive System

(preliminary leaflet)



NEW!

The IDS-1 Variable Intelligent Drive System is a compact stand alone LED Driver capable of running up to 36 high power LEDs at a selectable forward current of between 500 and 1000mA, with the current of each output being selectable by the user.

The system is based on Pulsed Amplitude Modulation with closed loop thermal feedback, which is patented under the colourcool™ technology in Europe, USA, Japan and Australia. This technology enables excellent colour matching and perfectly smooth dimming, as well as optimising the life expectancy of the fixtures connected to the driver.

The universal voltage input with CE certification (UL to follow shortly) guarantees a simple installation anywhere in the world, with no complicated dipswitches. In addition the choice of either an RJ45 or DIN rail output makes for a very adaptable driver.

The IDS-1 Variable offers a wealth of pre-built functions such as static colours, cross fades and cycle washes. If a wider selection of programs is required, the unit can also be controlled by DMX.

Please note that Tryka luminaires (Strip Modules and Flect-O-LED) can be run at a maximum of 700mA; operation above this current will overheat the units and result in their warranty being void.

## Main features:

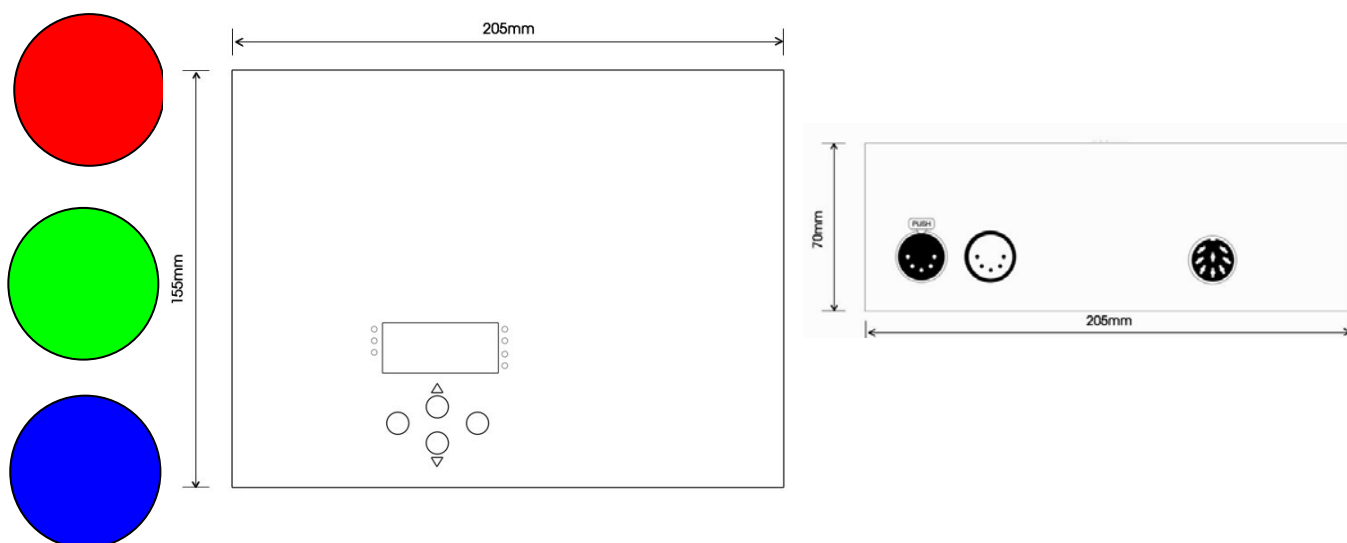
- Compact size and rugged construction with standard 5-pin XLR DMX in/out connectors
- Universal voltage input with standard IEC connector
- Variable forward current settings on each output between 500 and 1000mA in 50mA increments
- Short and open circuit protection
- 3 thermal control settings to allow for a range of environmental installations
- Master/slave option
- Safety approvals include CE (UL to follow shortly)
- LED fixture connection with 8 pin RJ45 for up to 700mA use or DIN rail for higher forward current
- Smooth dimming control 0-100%
- Self test functions
- Patented colour mixing 3 channel system
- Stand alone mode with several static and dynamic functions
- DMX address and controls set via LCD Display



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As part of our continuous product development we reserve the right to amend these specifications without prior notice.

# IDS-1 Variable Intelligent Drive System



## Electrical specifications:

- Input Voltage Range: 85-265Vac 50-60Hz
- Power Consumption: 6-55 watts
- Power Factor: 0.95 @ 230VAC
- Connection: IEC connector
- Insulation Class: One
- Output Current: 500-1000mA per channel (selectable)
- Output Voltage: 14-55Vdc
- Connection: RJ45 (8 pin) connector or DIN rail

## Control Input:

- Dimming Control: DMX512
- Connection: 5-pin XLR
- Dimming Range: 0-100%
- DMX Address Range: 1-510 via LCD Display

## Mechanical specifications:

- Mounting: four 3mm holes for wall fixing
- Construction: Anodised Aluminium casing for improved thermal performance

Operating ambient temperature: -20°C to +50°C

Storage Ambient Temperature: -20°C to +70°C

Case Temperature: +65°C

Relative Humidity: 80%

Lifetime (failures after 50,000 hours): 5%



1.2Kg

## Part number

TD-IDS1-36-V-RJ

TD-IDS1-36-V-DIN

## Description

IDS-1 Variable Intelligent Drive System with RJ45 Output

IDS-1 Variable Intelligent Drive System with Din rail