

MODEL	LD400 & LD400P	LDH400P
EXTERNAL LOGIC LEVEL (TTL) CONTROL		
Operating Mode:	The applied signal selects between Level A and Level B settings.	
Threshold:	+ 1.5V nominal. A logic high selects Level B.	
REMOTE DISABLE INPUT		
Connection:	Terminal block on rear panel. Input to the LED of an opto-isolator through 1kΩ resistor.	
Threshold:	Apply >+3V to disable the load input. Max. 12V.	
GENERAL		
AC Input:	110V–120V or 220V–240V AC ±10%, 50/60Hz. Installation Category II	
Power Consumption:	40VA max. Mains lead rating: 6A minimum.	40VA max. Mains lead rating: 6A minimum.
Operating Range:	+ 5°C to + 40°C, 20% to 80% RH	
Storage Range:	– 40°C to + 70°C	
Environmental:	Indoor use at altitudes up to 2000m, Pollution Degree 2.	
Cooling:	Variable speed fan. Air exit at rear.	
Safety:	Complies with EN61010-1	
EMC:	Complies with EN61326	
Size:	130mm H (3U) x 212mm W (½ rack) x 435mm D	
Weight:	5.7 kg	
Option:	RM460- 19-inch rack mount kit	

SPECIFICATION NOTES

LD400 & LD400P Accuracy specifications apply for 18°C – 28°C, at 50W load power (in normal 400W mode), after 30 minutes operation at the set conditions; regulation specifies variation at other powers. Setting accuracies apply with slew rate at the 'Default' setting.

LDH400P Accuracy specifications apply for 18°C – 28°C, using rear panel terminals, after 30 minutes operation at the set conditions. Setting accuracies apply with slew rate at the 'Default' setting.

(1) In 600 Watt short-term operation mode the dynamic response is not specified, and both the slew rate and the transient oscillator frequency range are restricted. The slew rate limitation applies also to external voltage control. This mode is primarily intended for limited duration operation at a fixed level setting.

(2) Slew Rate Ranges refer to the theoretical slope of the transition between two levels, regardless of whether that transition can be achieved when taking into account the level difference, the set transition duration, the minimum transition time, and the characteristics of the source.

(3) Minimum Transition Time specification is an indication of the fastest available transition using a benign battery source and low inductance connections, with a minimum terminal voltage of 5V and a minimum current of 1A. The actual performance attainable with electronically regulated power supplies depends on the combination of source and load loop bandwidths and interconnection inductance.

(4) Minimum Transition Time specification is an indication of the fastest available transition using a benign source and low inductance connections, with a minimum terminal voltage of 25V and a minimum current of 200mA. The actual performance attainable with electronically regulated power supplies depends on the combination of source and load loop bandwidths and interconnection inductance.

(5) The common mode capability of the current monitor is to provide tolerance of voltage drops in the cables. The monitor negative must be connected at some point to the load negative circuit.

