

**Model Number: FarmTronics LD Module**

The LD Light Dimmer Module adds the ability to Ramp the Internal Lighting UP in the Morning and then Fade the Lighting DOWN in the evening over a preset timed period.

When used with the Geographic Sunrise/Sunset Feature within the ChickenMaster PRO the smooth Sunrise & Sunset Transition doesn't disrupt the hens natural flock behaviour.

This allows a more natural lighting cycle for the Laying Hens providing for better egg quality and healthier hens.

How it works:

When the LD Module receives an ON Input from the ChickenMaster or ChickenMaster PRO the preset Timer Function (Positions L1 to L6) will start and ramp the lights UP from 0 to 100% over the Timer Range selected via the Rotary Switch.

When this ON Input is removed the Lights will Fade DOWN from 100% to 0 over the selected Timer Range.

There is also an OVERRIDE (L0) & TEST (L9) position allowing the Farmer to Override the Timer at any time and the TEST Feature allows testing of the Internal Lighting and the Dimmer over a 30 Second Time Period, great for initial setup and testing.

LED Indication:

GREEN Power LED Indicates that 12 VDC Power is connected.

BLUE LED can indicate the following options.

FULL ON = The LD Dimmer is Ramping the Lights UP and will go OFF once the Timed period has elapsed and the Lights are at 100%.

FLASHING = The LD Dimmer is Fading the Lights DOWN and will go OFF once the Timed Period has elapsed and the Lights are OFF i.e. 0%.

If the OVERRIDE Feature is used the **BLUE LED** will reflect the Input State either ON or OFF.

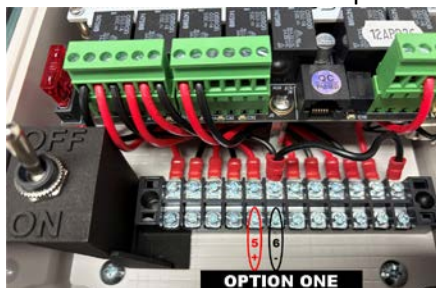
Model Number	LD Module
Enclosure Type	Polycarbonate Case, UV Stabilised
Enclosure IP Rating	IP67 Fully Weatherproof
Enclosure Dimensions	H150mm x W150mm x D100mm
Enclosure Mounting Method	External 304 Stainless Steel Mounting Clips (4 Off Supplied)
Enclosure Lid Locking Clasps	304 Stainless Steel (2 Off)
Cable Entry Method	2 Off M20mm IP67 Wiring Glands, Located at bottom of Switchboard
Dimming OUTPUT Capacity	120 Watts (10 Amps @ 12 Volts DC).
Lighting Type Suitability	FarmTronics FT LED or any other Warm Spectrum Dimmable LED
Circuit Protection	Thermal Shutoff, Reverse Polarity & Current Overload Protection
Pulse Width Modulation (PWM) Specifications	150 Hz Frequency with a 166.6 Nano Second Resolution Flicker Free
Working Temperature Range	-10.0 Celsius to +50.0 Celsius
GREEN LED	12 Volt DC Power is ON
BLUE LED (Full ON)	The LD Dimmer is Ramping the Lights UP from 0 to 100% Brightness
BLUE LED (Flashing)	The LD Dimmer is Fading the Lights DOWN from 100% to 0%
Rotary Switch Settings (L 2 is the Default Setting)	L 0 Input State Override L 1 5 Minute Ramp UP & Fade DOWN Timing Range L 2 10 Minute Ramp UP & Fade DOWN Timing Range (Default) L 3 15 Minute Ramp UP & Fade DOWN Timing Range L 4 20 Minute Ramp UP & Fade DOWN Timing Range L 5 25 Minute Ramp UP & Fade DOWN Timing Range L 6 30 Minute Ramp UP & Fade DOWN Timing Range L 7 & L 8 (NOT USED for Future Development) L 9 TEST Position 30 Second Ramp UP & Fade DOWN Timing Range
Voltage Range	12 – 15 Volt DC
Product Compatibility	The ENTIRE ChickenMaster* & ChickenMaster PRO™ Controller Range
Warranty	12 Months from date of purchase
Australian Made	Designed & Manufactured in Melbourne, AUSTRALIA.
Support Service	Phone Support 7 Days a week from 9am to 3pm

*LD MODEL COMPATIBILITY:

The LD Module is compatible with ALL the ChickenMaster Legacy models and the ALL of the new series of ChickenMaster PRO Models.

See NOTES and Electrical Wiring Options Below:

- ALL** ChickenMaster PRO Complete Switchboard Models **CMPRO-SWB-PWM30A**



Refer OPTION ONE on the Electrical Schematic ON Page 4.

2. ChickenMaster PRO **Circuit Boards ONLY**
(Used in a variety of Chicken Caravans, Aussie Feeder & Titan Vans)



Refer OPTION TWO on the Electrical Schematic ON Page 4.

3. ChickenMaster (Legacy Product) **Circuit Boards ONLY**
(Used in a variety of Chicken Caravans, Aussie Feeders & Titan Vans)



Refer OPTION THREE on the Electrical Schematic ON Page 4.

FURTHER NOTES:

If the same 12 Volt Battery Supply is also used for the ChickenMaster or ChickenMaster PRO then the LD Module Ground Wire on Terminal 6 is not required.

You would only require connection of the Positive Wire on Terminal 5.

Wiring on Terminals 5 & 6 are only a control signal so the wires can be a minimum of 1.0mm².

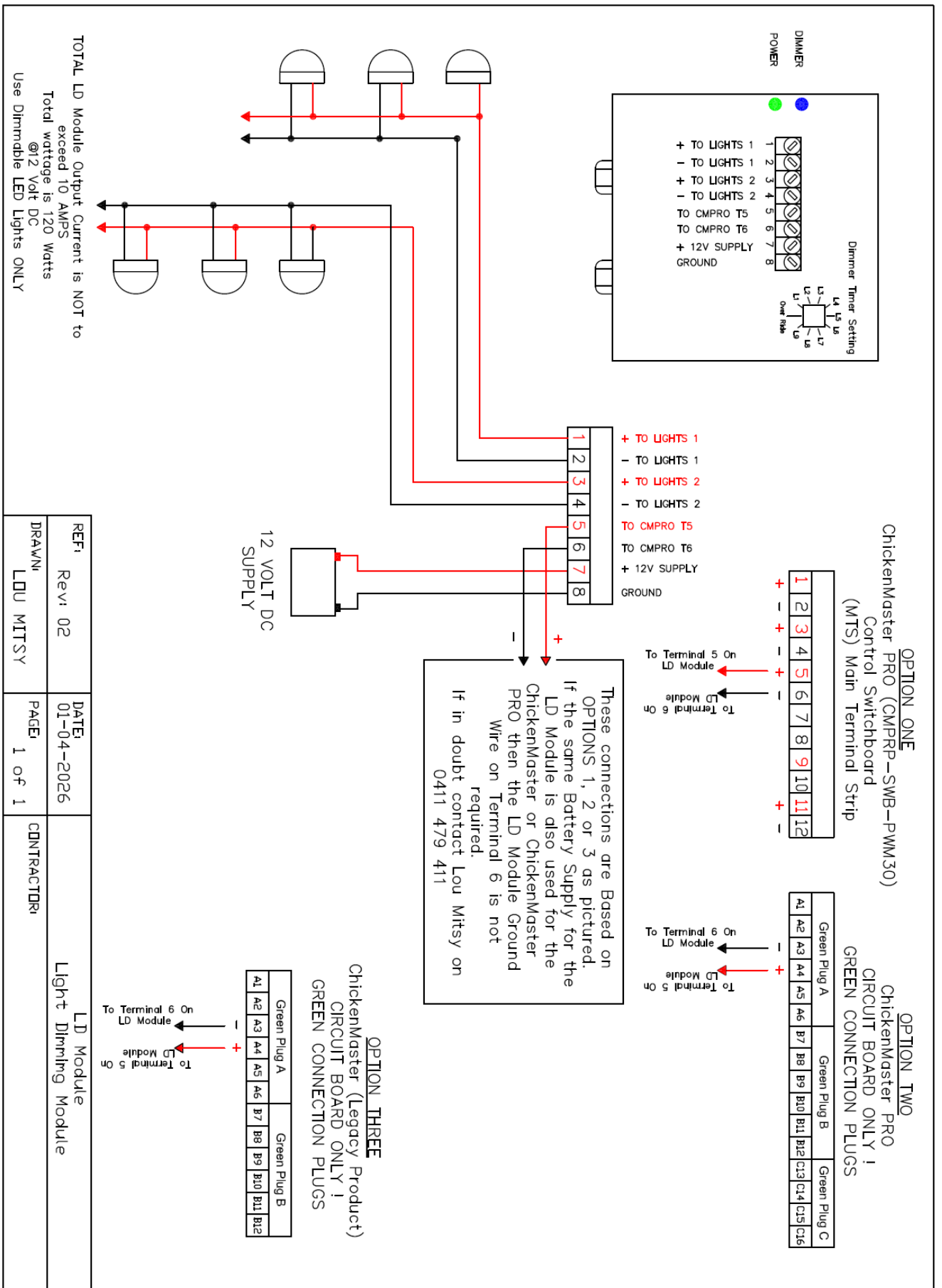
All other wiring needs to be able to handle a minimum of 10 Amps @ 12 Volt DC.

Recommended minimum wiring size 1.85mm².

The LD Module can also be used with any Time Clock which are in some very old Chicken Caravan models.

If in any doubt, contact FarmTronics Australia on 04111 479 411 for further advice.

ELECTRICAL SCHEMATIC



REF: Rev: 02	DATE: 01-04-2026	LD Module Light Dimming Module
DRAWN: LOU MITSY	PAGE: 1 of 1	CONTRACTOR: