



TCM Series RF Wireless Dimming Module

TCM-RFLV-D Low Voltage RF Control Module

With 0-10V Dimming

Module Electrical Specifications

Input Voltage Range: 11-13Vdc
 Input Current Module Power: ≤0.09A for Units power use

Module Environmental Specifications

Maximum Case Temp. 72°C
 Operating Temperature: -20°C to +60°C
 Storage Temperature: -40°C to +80°C
 Humidity: 5% to 95%
 Cooling: Convection
 Vibration Frequency: 5 to 55 Hz/2g, 30 minutes
 Impact Resistance: 1g/s
 EMC: FCC 47CFR Part 15 Class B compliant
 Weight: 2.1 oz (59g)

Remote Specifications

RF: 2.4GHz RF Remote Control
 Emission Power: 8dbm
 Power by: (2) AAA batteries (Included)
 Working voltage: 3V
 Radio frequency: 2400-2483.5MHz
 Modulation mode: GFSK
 Standby Power Consumption: 5uA, Control distance 65 - 98 feet
 Size: 4.33in Long x 2.12in Wide x 0.78in Height
 Low Battery Indicator: When the red LED indicator on the face of the remote control remains on it means batteries need to be changed.



- RF Cordless Remote Wireless Control for Luminaires
- 2.4GHz, +8dBm RF
- 0-10V Analog Dimming Control, 50mA Sink
- Compatible with LED Drivers & Electronic Ballasts that comply with IEC60929 Annex E2, 0-10V Dimming
- Dust Proof Design IP50
- Gray 5VA PC ABS Plastic Case
- UL Dry & Damp location rated
- TCM-RF-REMOTE 2.4GHz RF handheld controls brightness when programmed to TCM-RFLV-D modules
- Each TCM-RFLV-D module can be synced to 20 separate remotes max
- Each TCM-RF remote can be synced to 20 separate modules per group max
- Designed for one module per luminaire
- UL2043 Plenum Rated for use in ceiling spaces
- 5 year warranty

Controllers	
Model Number	Description
TCM-RFLV-D	Thomas Control Module - RF Cordless Dimming Control

Class 2: US/Canada

Accessories	
Model Number	Description
TCM-RF-REMOTE	Thomas Control Module - RF Cordless Remote

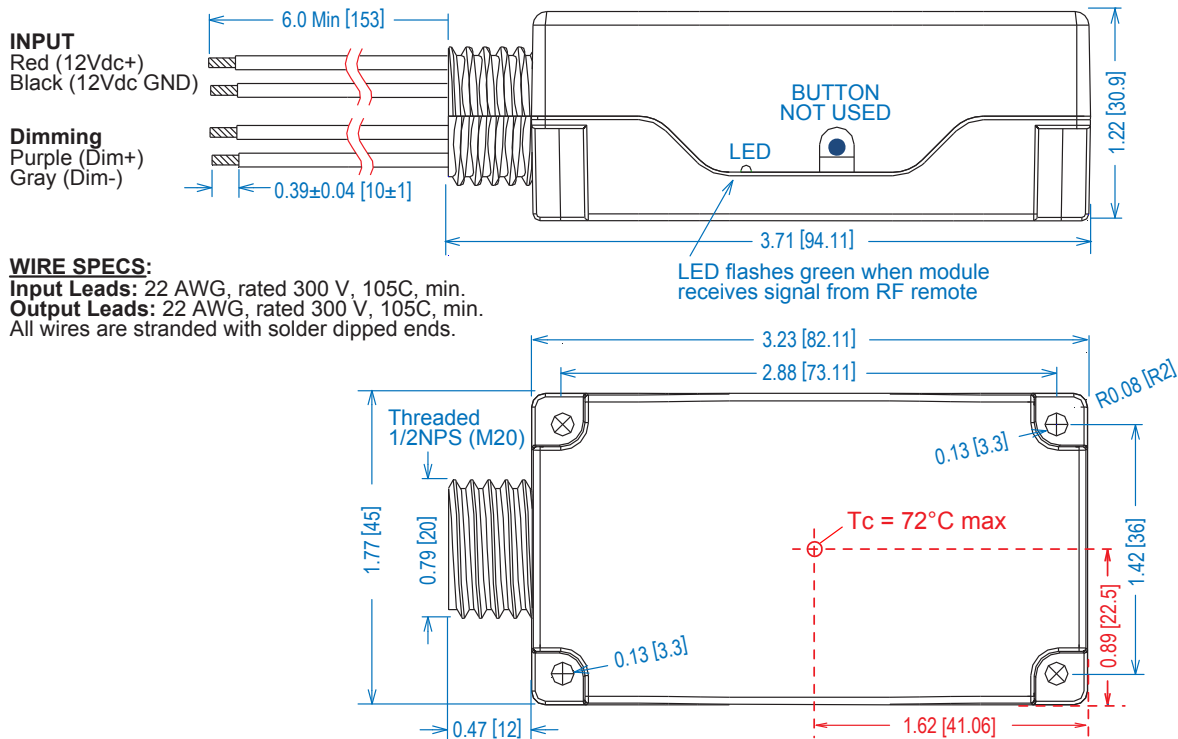


Specifications subject to change without notice.

Rev 4-25-17



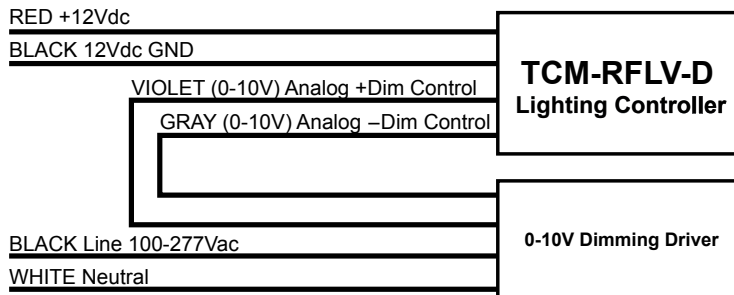
Dimensions - Inches (mm)



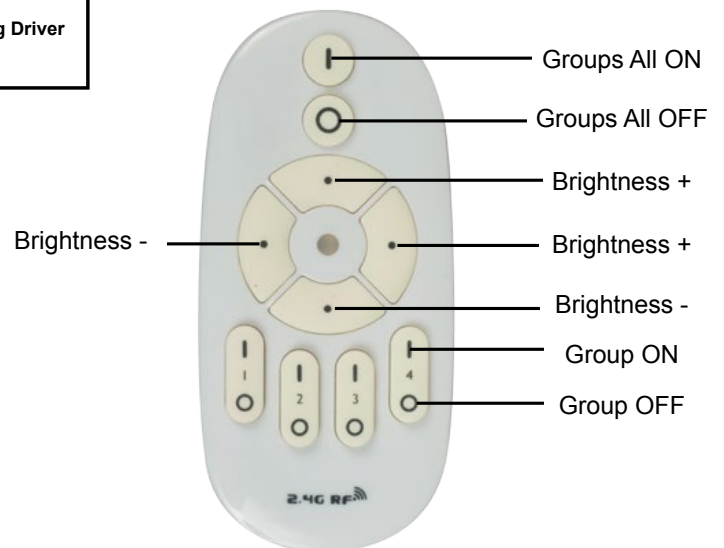
WIRE SPECS:

Input Leads: 22 AWG, rated 300 V, 105C, min.
Output Leads: 22 AWG, rated 300 V, 105C, min.
All wires are stranded with solder dipped ends.

Typical Application Circuit



Safety Cert.	Standard
UL/CUL	UL8750 & CAN/CSA C22.2 No. 250.13, UL2043 Plenum Rated
CE	EN 61347-1, EN61347-2-13
EMC Standard	Notes
Dimming Circuit	UL & cUL Isolated Class 2, Dim+ Purple/Dim- Gray
FCC Part 15	Class B



TCM-RF-REMOTE

UL Conditions of Acceptability

See website for additional information