

TR25
TR30
TR34



Style 1



Style 2



APPLICATIONS

Starfield digital scene and on/off controls integrate with dimmers, relays, and other control components to build complete high-performance lighting control systems.

Scene Control – TR25 scene controls allow a single button to quickly bring a room to a preset state. Set lights, lower curtains, and even change color all with a single button. Use in open spaces in lieu of dimmers to eliminate "thermostat wars" or as a utility override for cleaning, nightlighting, energy sweeps, and more.

On/Off – TR30,34 controls work with digital relays, ballasts, and curtain/screen controllers to provide remote on/off and up/dw control functions. Available with both single and alternative action for 1 to 4 groups.

Color Control – Use TR25 scene controls with multiple ballasts and different colored lamps to provide low level, high scotopic light for computer work and red-hued light for meetings or video conferencing. For special applications, RGB lamps can be used to create any color.

FEATURES AND BENEFITS

- Group and scene assignments are made from the front side of the control without tools or special equipment.
- Industry standard Decora form factor may be ganged with other controls.
- Single and multi-station operation.
- Compatible with Starfield pop-up computer controls.
- Eliminates central control panels and hardwired zoning.
- Mounts in a standard NEMA switch or outlet box.
- DALI network wiring is polarity-independent, free-topology, low-voltage, and low-power. May be run as NEC Class 1 or 2 inside or outside of the lighting power conduit as allowed by local jurisdictions.
- Green LED indicator light.
- Direct connect optional occupancy sensor with multiple logic options eliminates the need for an external power supply and works with dimming to provide gentle, user-friendly operation.

SPECIFICATIONS

Low-voltage Electrical

- UL Listed Class 2 device for use with Class 1 or Class 2 DALI bus wiring.
- Caution – these controls may not be installed in same electrical box with electrical power wires.
- DALI Input voltage – 12 -22.5 VDC
- DALI Input current – 6mA + sensor power

Physical

- NEMA Decora form factor
- 5mm screw clamp terminal blocks rated for use with one or two 18AWG solid or single 14-16 AWG solid or stranded copper conductors.
- Caution – use of larger gauge solid wire may damage terminals and make installation difficult.
- Housing material: 94V5 high impact, flame retardant plastic
- Housing color: NEMA WD1

Environmental

- Operating temperature range: 0 to +40°C
- Storage temperature range: -10 to +85°C
- Relative humidity: 20-90% non-condensing

Configuration

- Controls may be assigned to broadcast or any one of 16 groups from the front side of the controller.
- Group is factory preset to broadcast
- TR25 is preset to scene 0 and scene set 0-3

Warranty: Limited 2-year warranty

FUNCTION TABLE

Model	Style	Function	Button Functions				Fade Setting	Options
			1	2	3	4		
TR254	2	4 button scene	(scene a)	(scene b)	(scene c)	(scene d)	fade time	none
TR302	1	2 button on/off & curtain	(on)	(off)			fade time	M
TR342	1	2 zone on/off & curtain	(on/off)	(on/off)			fade time	M
TR344	2	4 zone on/off & curtain	(on/off)	(on/off)	(on/off)	(on/off)	fade time	M

OPERATION

General

Button 1 – The button closest to the green LED indicator light.

Momentary – Indicated by (). Quickly press and release.

Maintained – Press and hold (not used in this family).

Fade Time – Fade for all the above control functions may be adjusted using the ballast Fade Time setting. This setting controls the amount of time required to adjust lights to a new setting. Fade Time is a ballast function with a default value of 0 seconds and a range of 0-90 seconds.

Curtain/Screen – May be used as a remote up/dw control with any of the Starfield curtain/screen controllers.

Functions

(on/off) – Alternates between on at max and off.

(on) – Lights on at max.

(off) – Lights off.

(scene x) – Go to scene x. Initial factory setting is scenes 0 to 3. May be advanced from front of controller to control higher scenes up to scene 15.

Note – The TR25 Scene control should typically be installed in conjunction with an adjacent dimmer in order to allow users to create scenes and manually control lights.

GROUP ASSIGNMENTS

Dimming controls are transmitters. They are associated with the ballasts and other devices they control through group membership. Group assignments are made from the front side of the control without special tools or equipment.

Scene and on/off controls may be assigned to work with all groups (broadcast) or to any of the 16 DALI groups within the local DALI network. Broadcast is the default mode.

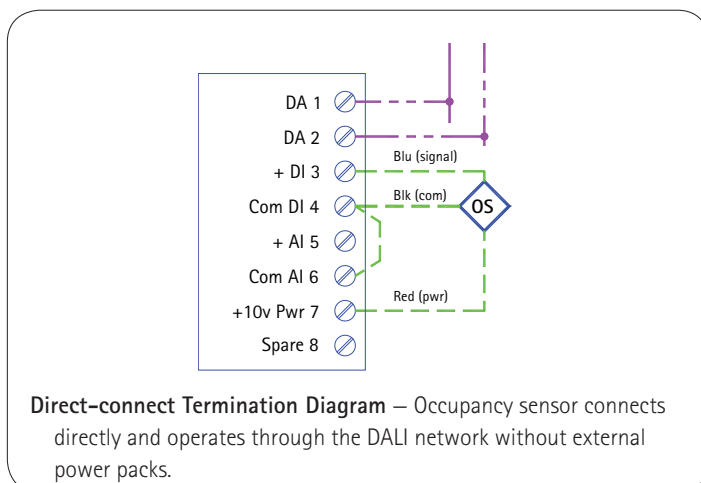
Single Groups – The TR25 and 30 must be assigned to a single group or broadcast.

Multiple Groups – Each button of a TR34 may be assigned to broadcast or any one of the 16 DALI groups.

OPTIONS

M – Occupancy sensor input with three logic options – auto/manual (standard), auto/restore, auto/auto. Use with OS series direct connect occupancy sensors. External power pack is not required. See OS data sheet in this catalog for additional detail.

P – Photo-dimming not available.



ORDERING

TR254 – M1 – W

Color

White (std), Ivory, Gray, Black, BW (black buttons in white housing)

Options

M1 – auto/manual (default)
M2 – auto/restore
M2 – auto/auto

Model

TR254 (4 button, single zone, scene)
TR302 (2 button, single zone, on/off)
TR342 (2 button, two zone, on/off)
TR344 (4 button, four zone, on/off)

--- Low Voltage Class 2
--- DALI Class 1 or 2

Wiring Legend