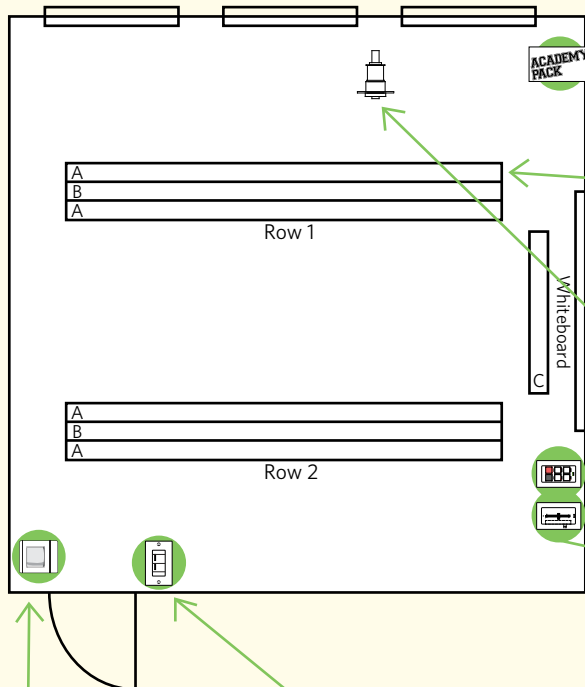


**Classroom Controls  
Panel Solution**

Once you've selected Peerless luminaires for your classroom and have determined their configuration within the space, you're ready to specify a control package. Follow the step-by-step instructions below to select specific control options. Then, return to your luminaire order and add **APC** to the end of the ordering sequence. Doing so will notify us to review your order to ensure compatibility between your luminaire and controls selections.

For luminaire specification sheets and additional application support, please visit PeerlessLighting.com.

Consider your options on this page to help make your selections on page 3.



How many lighting zones will you need?

What voltage will you need?  
US or Canada?

Will you require emergency lighting?

Will you need automatic daylight dimming for the row closest to the window?

What type of Teacher Control Station do you need? See page 2.

**Entrance Switch**

Label	Operation
General	Turns on Teach Scene
Off	Turns off all lamps

How many entrance switches do you need?

**Occupancy Sensor**

Load Controlled	Operation Upon Occupancy	Operation Upon Vacancy
All Lamps	Manual On	Auto Off

What type of occupancy sensor do you need? How many?

Peerless®

ACADEMY  
PACK

# Teacher Control Station Options

## Classroom Controls Panel Solution

### TCS1: 6-button with slider

Works for: Dimming 2-lamp fixtures or dimming inboard lamps in 3-lamp fixtures for AV scene

With or without daylight automatic dimming (both lamps in 2-lamp fixtures and outboard lamps only in 3-lamp fixtures) for row closest to window

Button #	Label	Programming Options			
		A (2-lamp fixtures)	B (3-lamp fixtures)	C (3-lamp fixtures)	D (3-lamp fixtures w/ interlock)
1	Teach	A & B lamps on to 100%	Turns A & B lamps on	Toggles A lamps on/off	Turns A lamps on, B lamps off
2	AV	A & B lamps on to 30%	Turns B lamps on, A lamps off	Toggles B lamps on/off	Turns B lamps on, A lamps off
3	Whiteboard*	Toggles C lamps on/off	Toggles C lamps on/off	Toggles C lamps on/off	Toggles C lamps on/off
4	Quiet Time	Disables OS for 1 hr	Disables OS for 1 hr	Disables OS for 1 hr	Disables OS for 1 hr
5	Enable Slider	Activates dimming for A & B lamps	Activates dimming for B lamps	Activates dimming for B lamps	Activates dimming for B lamps
6	All Off	All Off	All Off	All Off	All Off

\*If no whiteboard light is specified than button is not engraved and does not function

### TCS2: 6-button Control Station

Works for: Bi-Level switching

With or without daylight automatic dimming (both lamps in 2-lamp fixtures and outboard lamps only in 3-lamp fixtures) for row closest to window  
Whiteboard light

Button #	Label	Programming Options	
		A (2 or 3-lamp fixtures)	B (3-lamp fixtures w/ interlock*)
1	Teach	Turns A & B lamps on	Turns A lamps on, B lamps off
2	AV	Turns B lamps on, A lamps off	Turns B lamps on, A lamps off
3	Whiteboard	Toggles C lamps on/off	Toggles C lamps on/off
4	Quiet Time	Disable OS for 1 hr	Disables OS for 1 hr
5	All Off	Turns A, B & C lamps off	Turns A, B & C lamps off
6	(blank)	no function	no function

\*Interlock prevents the A lamps and B lamps from being on together.

### TCS3: 4-button with slider

Works for: Dimming 2-lamp fixtures or dimming inboard lamps in 3-lamp fixtures for AV scene

With or without daylight automatic dimming (both lamps in 2-lamp fixtures and outboard lamps only in 3-lamp fixtures) for row closest to window  
No whiteboard light

Button #	Label	Programming Options
		A (2 or 3-lamp fixtures)
1	Teach	Toggles A & B lamps on/off
2	AV	Toggles B lamps on/off
3	Quiet Time	Disables OS for 1 hr
4	Enable Slider	Activates dimming for B lamps

### TCS4: 4-button Control Station

Works for: Bi-Level switching

With or without daylight automatic dimming (both lamps in 2-lamp fixtures and outboard lamps only in 3-lamp fixtures) for row closest to window  
Whiteboard light

Button #	Label	Programming Options
		A (2 or 3-lamp fixtures)
1	Teach	Toggles A lamps on/off
2	AV	Toggles B lamps on/off
3	Whiteboard	Toggles C lamps on/off
4	Quiet Time	Disable OS for 1 hr

Works for: Bi-Level switching

With or without daylight automatic dimming (both lamps in 2-lamp fixtures and outboard lamps only in 3-lamp fixtures) for row closest to window  
No whiteboard light

Button #	Label	Programming Options	
		B (2 or 3-lamp fixtures)	C (3-lamp fixtures w/ interlock*)
1	Teach	Turns A & B lamps on	Turns A lamps on, B lamps off
2	AV	Turns B lamps on, A lamps off	Turns B lamps on, A lamps off
3	Quiet Time	Disable OS for 1 hr	Disables OS for 1 hr
5	All Off	Turns A & B lamps off	Turns A & B lamps off

\*Interlock prevents the A lamps and B lamps from being on together.

### TCS5: 3-button Control Station

Works for: Bi-Level switching

With or without daylight automatic dimming (both lamps in 2-lamp fixtures and outboard lamps only in 3-lamp fixtures) for row closest to window  
No whiteboard light

Button #	Label	Programming Options
		A (2 or 3-lamp fixtures)
1	Teach	Toggles A lamps on/off
2	AV	Toggles B lamps on/off
3	Quiet Time	Disable OS for 1 hr

## Examples:

TCS1



TCS4B



Peerless®

**ACADEMY  
PACK**

**Classroom Controls  
Panel Solution**

**Specify**

**step 1**

Indicate Lighting System and Panel Type

Description	Ordering #
Academy Pack Panel	APAC1 AP2408

**step 2**

Indicate Zones (choose 1)

Description	Ordering #
4 zones (relays)	4NCL
6 zones (relays)	6NCL
8 zones (relays)	8NCL

**step 3**

Indicate Voltage (choose 1)

Description	Ordering #
Multi-volt US	120/277
Canada	347

**step 4**

Indicate Emergency (choose 1)

Description	Ordering #
separate panel with 4 relays	EMSMDM
internal barrier within panel to separate 2 relays	1VB
no emergency	[blank]

**step 5**

Indicate Photocell (choose 1)

Description	Ordering #
with photocell*	PCELL1
no photocell	[blank]

\*Please specify 0-10V dimming ballasts with fixtures

**step 6**

Indicate Teacher Control Station and Programming (choose 1)

Description	Ordering #
6-button w/slider	TCS1 A B C D
6-button	TCS2 A B
4-button w/slider	TCS3 A
4-button	TCS4 A B C
3-button	TCS5 A

(see details on front)

**step 7**

Indicate Quantity of Entrance Stations (choose 1)

Description	Ordering #
one entry switch (Rocker)	1RSCC
two entry switches (Rocker)	2RSCC

**step 8**

Indicate Quantity and Type of Occupancy Sensor (choose 1)

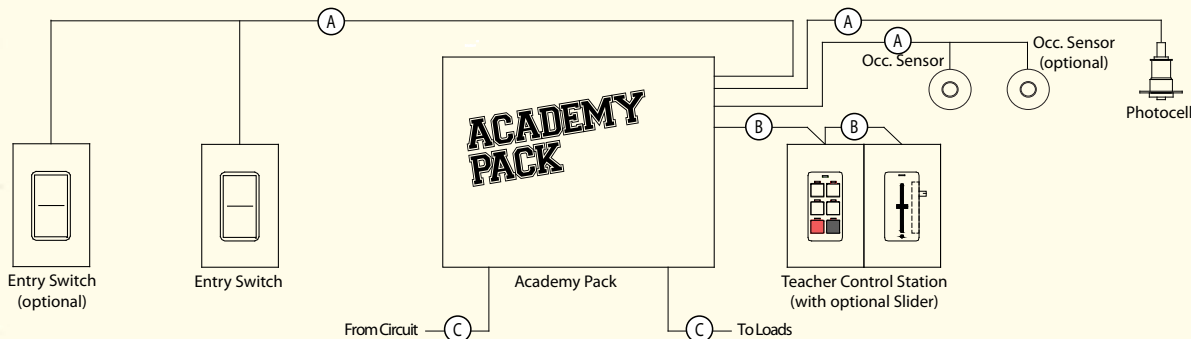
Description	Ordering #
wide view (ceiling)	(qty) WVPDT16R
standard range (corner)	(qty) CMPDT9R
extended range (corner)	(qty) CMPDT10R

Catalog #:

**Example:** APAC1 AP2408 6NCL 120/277 1VB PCELL1 TCS1A 1RSCC 2CMPDT9R

(STEP 1) (STEP 2) (STEP 3) (STEP 4) (STEP 5) (STEP 6) (STEP 7) (STEP 8)

**Example Riser Diagram**



WIRE LEGEND	A	B	C
	CAT5 WITH RJ11 CONNECTORS (Low Voltage)	CAT5 WITH RJ45 CONNECTORS (Low Voltage)	CLASS 1 (Line Voltage)