



# Steinel DCS<sup>TM</sup>

Digital Control Solution

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# STEINEL: The inventors' company



We think outside the box and

Scrutinize things that are taken for granted

Providing **value-added features and functions** without the additional cost.

With technology invention in our veins, we think **without restrictions** and turn discoveries into **intelligent products** that meet the most exacting of demands.

## Digital Done Better:



Smarter Solution



No Front End Needed



Easy to Install



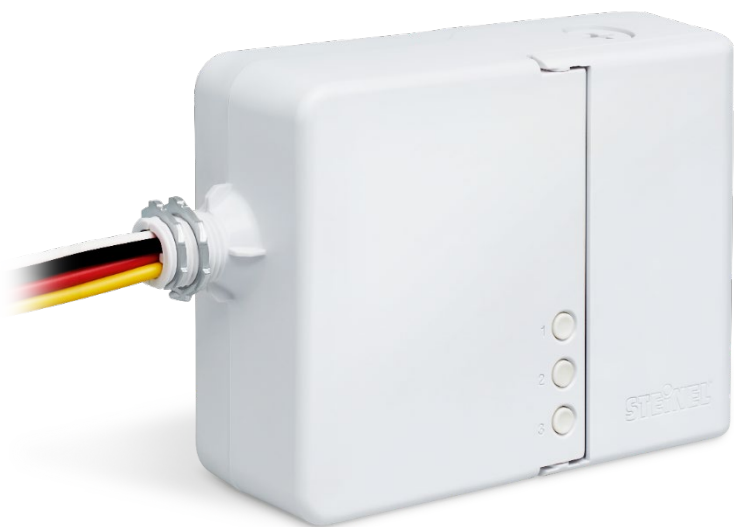
High Value



Made by STEINEL.  
Made in Europe.

## DCS answers the demand for a **COST-EFFECTIVE** room controller that **MAXIMIZES** energy savings.

Everything you need, code-compliant out of the box.

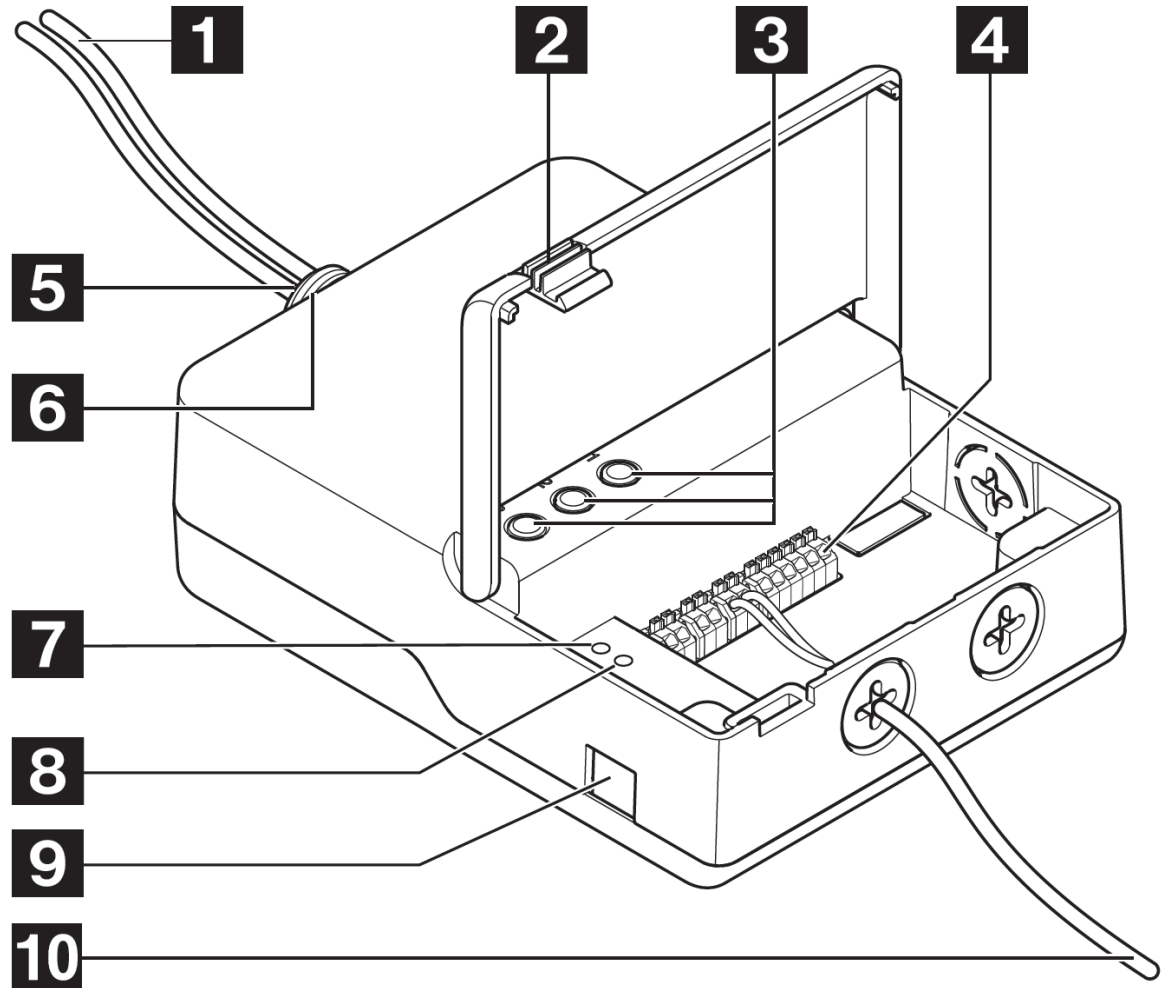


- Digital bus for sensors, switches, photo cells
- Wireless programming
- Predefined & custom use case generation
- Preset or custom scenes
- 3 independent 20A relays
- Current monitoring per relay
- 3 independent 0-10v dimming zones
- Receptacle control
- Multi-zone daylighting
- Min. & max. dimming levels
- Hold off / Force off
- Partial on & off
- Demand response
- Astronomic and time clock functions
- Wireless BLE mesh interconnectivity\*
- BMS integration via BACnet\*

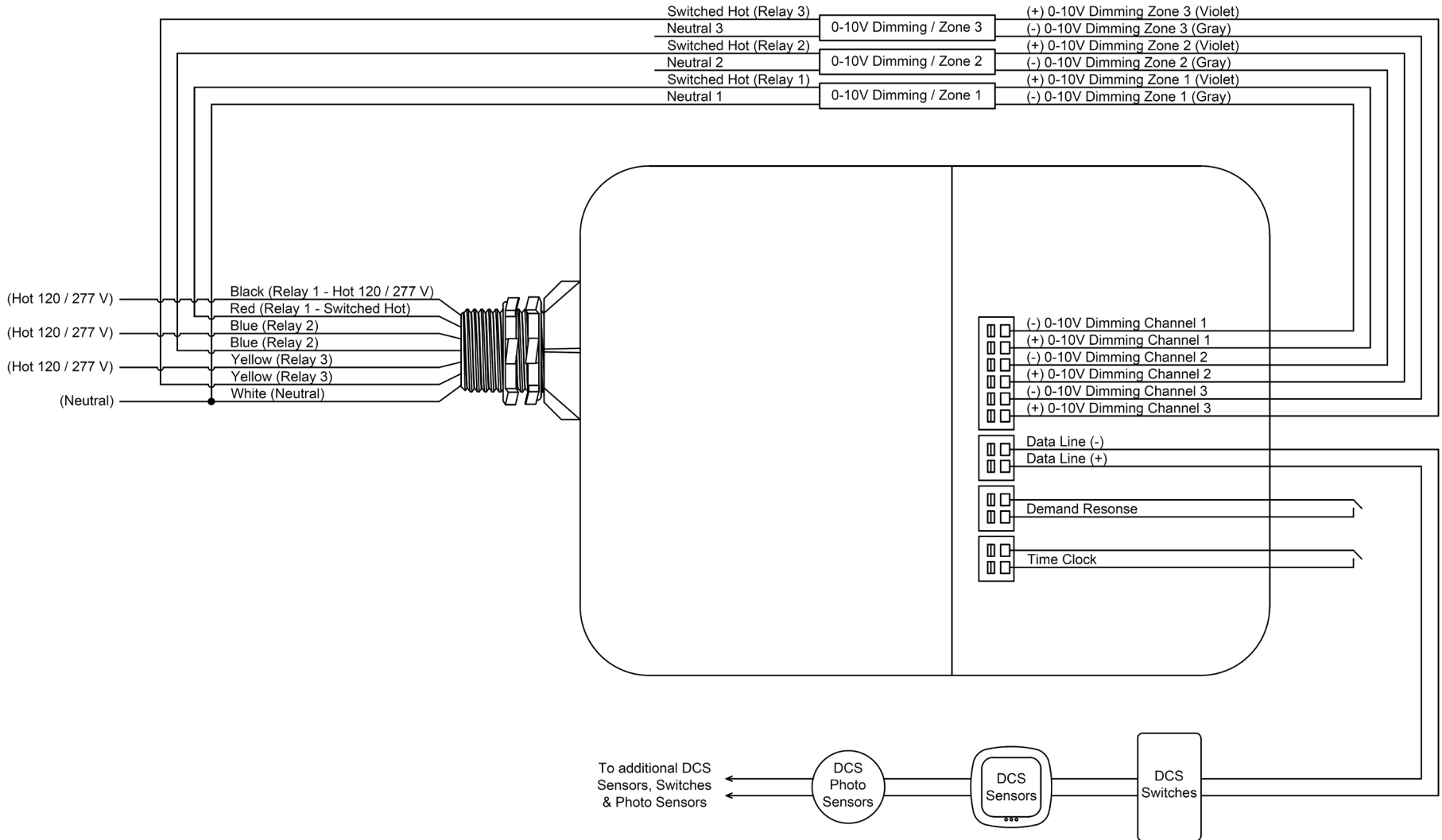
# Digital Control Solution

## Physical Features

1. Line voltage wires
2. Low voltage door latch
3. Test buttons
4. Low voltage terminals
5. ½" threaded nipple
6. Two lock nuts
7. Led
8. Reset button
9. RJ45 BACnet port
10. Low voltage wires



# Digital Control Solution Wiring



### NEW sensors & switches



IR Quattro SLIM XS DCS



IR Quattro Micro DCS



PS DCS



Wall switches

### Digital Control Pro



IR Quattro DCS



IR Quattro HD DCS



US Quattro DCS



US Oneway DCS



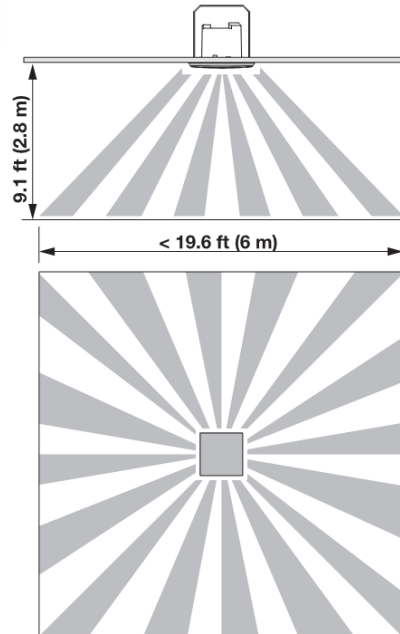
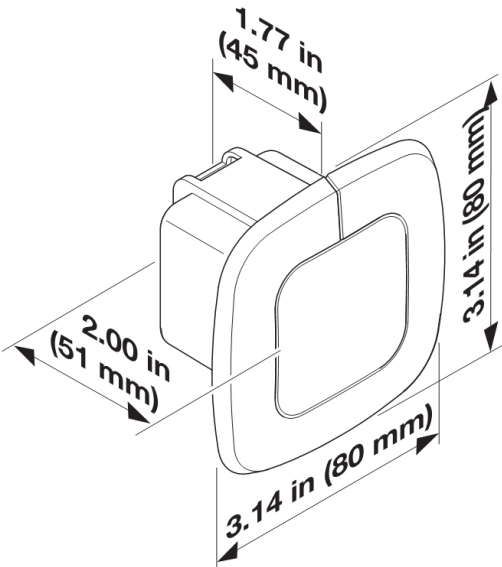
US Hallway DCS



DT Quattro DCS

# DCS New Sensors

## IR Quattro SLIM XS

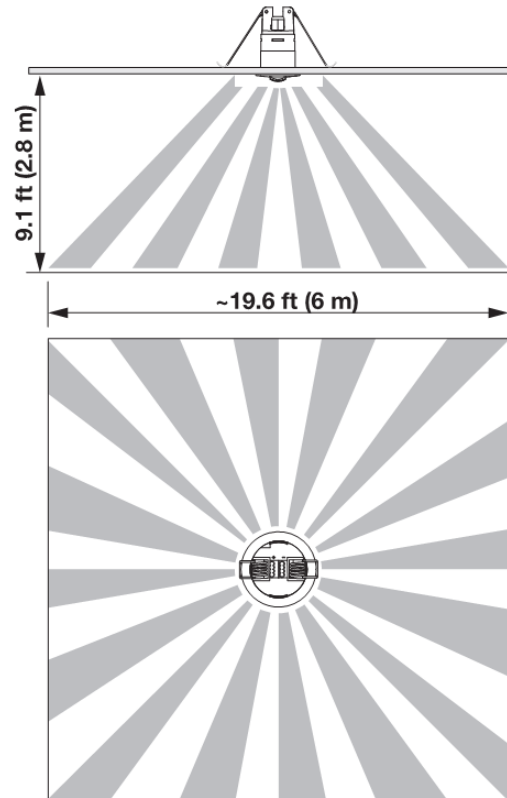
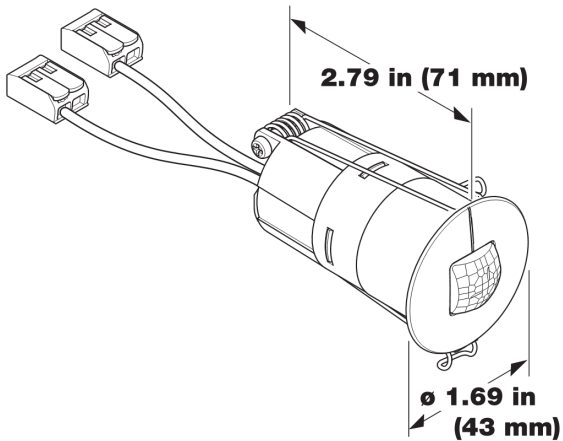


- Passive infrared presence detector
- 408 switching zones
- 6 mm low profile
- Flat lens
- Square coverage pattern
- Wireless commissioning through DCS app
- 13 x 13 ft. Presence Detection
- 19 x 19 ft. Tangential Detection
- 1-100 fc.
- 30 sec. to 30 min. time delay
- IP 20 Rated

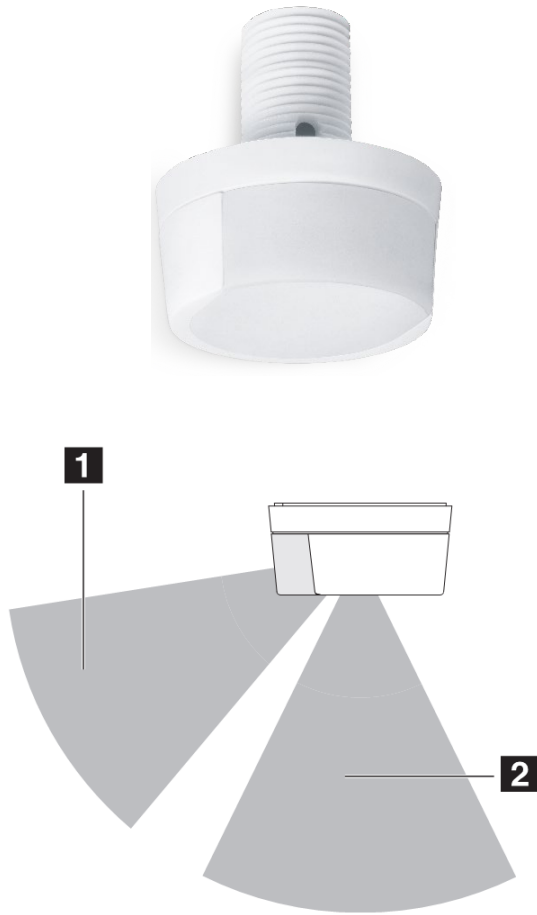


# DCS New Sensors

## IR Quattro MICRO



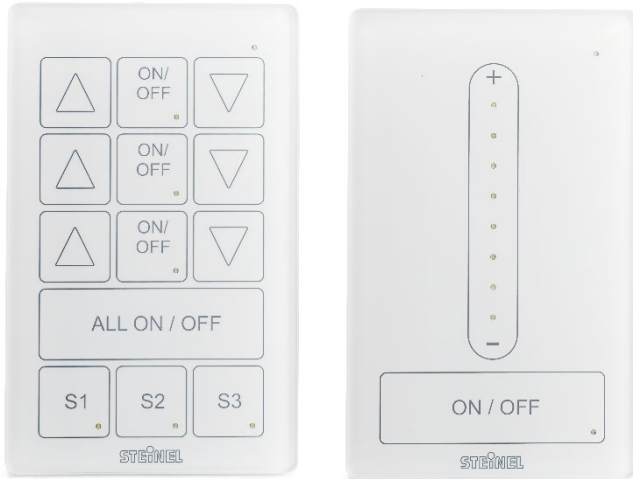
- Passive infrared presence detector
- 168 switching zones
- Micro-precision lens measures just 15 x 15 mm
- Square coverage pattern
- Wireless commissioning through DCS app
- Spring clip mounting
- 13 x 13 ft Presence Detection
- 19 x 19 ft. Tangential Detection
- 1-100 fc.
- 30 sec. to 30 min. time delay
- IP 65 Rated



- Two lenses and two photoelectric diodes to allow for both open & closed loop functionality
- Digital light level range selection via smart phone or tablet OL: 3 – 6,000 fc CL: 3 – 300 fc
- Automatic calibration that takes in to consideration the unique curve of the fixtures being used in the daylighting zone
- Wireless configuration via Steinel App
- Mounts via screws, double sided tape or 1/2" chase nipple and locknut
- Polarity insensitive 2 wire bus
- Up to 3 daylight zones per sensor when used in open loop function
- Multiple PS DCS can be connected on the data line and then assigned to individual zones
- Wireless assignment to multiple DCS controllers via BLE group assignments

**1** OL: Open Loop Control  
**2** CL: Closed Loop Control

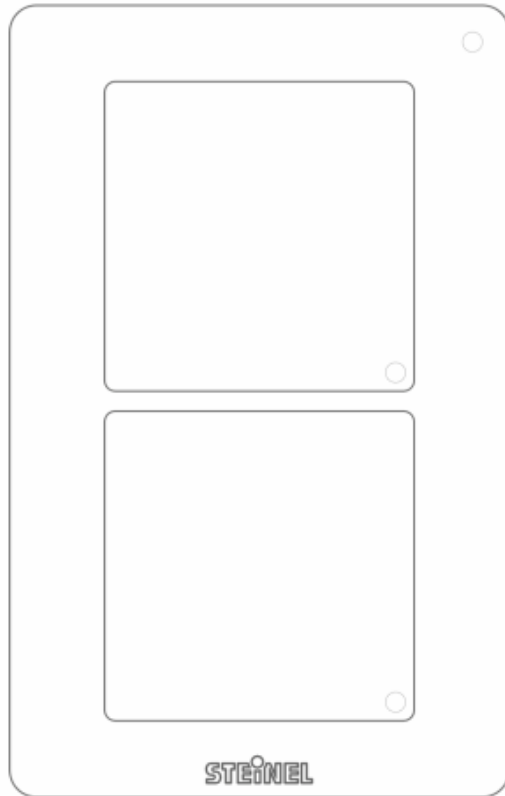
## 10 new switches: Scene, Dimming and Multi



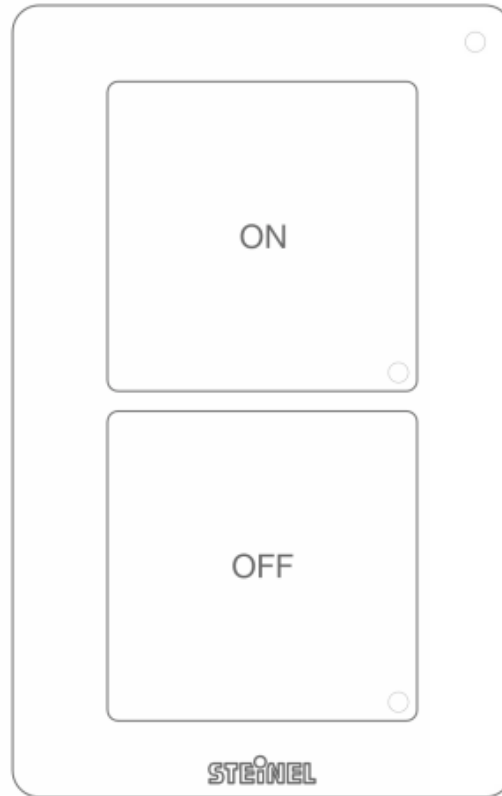
- Touch sensitive
- Glass interface (white & black)
- Glass touch screen programmable
- Polarity insensitive 2 wire bus
- 10 new switches:
  - 2 button scene switch (SS2)
  - 4 button scene switch (SS4)
  - 6 button scene switch (SS6)
  - 1 zone dimming switch (DS1)
  - 2 zone dimming switch (DS2)
  - 3 zone dimming switch (DS3)
  - Multi switch with 3 zone dimming, 3 button scene and master on/off (DS-SS3)
  - 1 zone 2 button On/Off switch (NF1)
  - 2 zone 4 button On/Off switch (NF2)
  - 3 zone 6 button On/Off switch (NF3)
- Switches are customizable with an 8 week lead time
- Pictured switches are in stock

# DCS New Switches

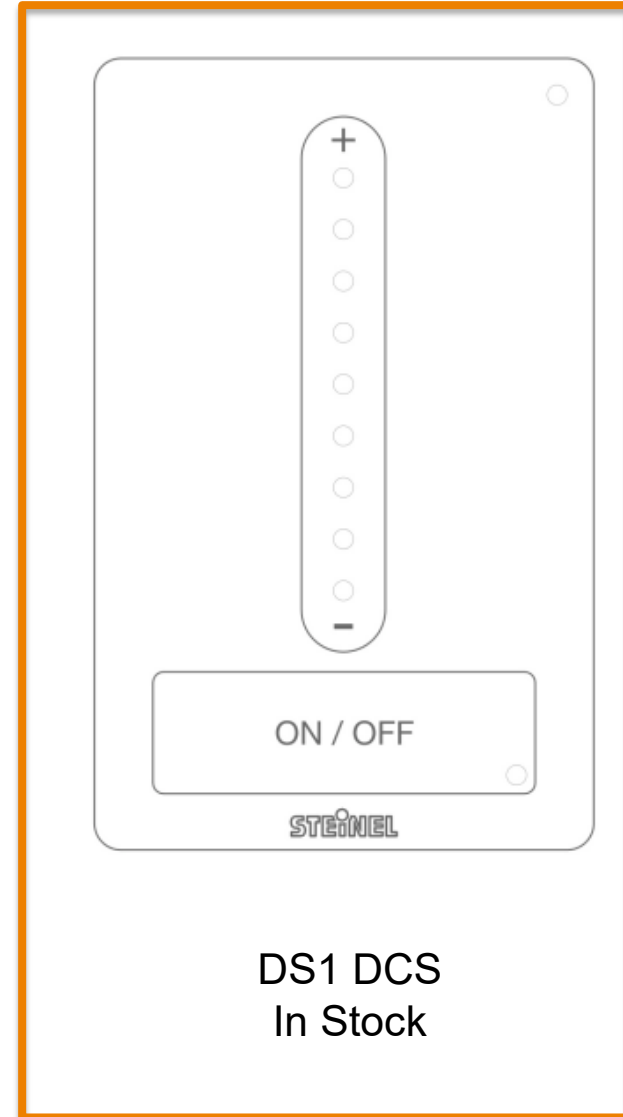
## Switches - Single Zone



SS2 DCS



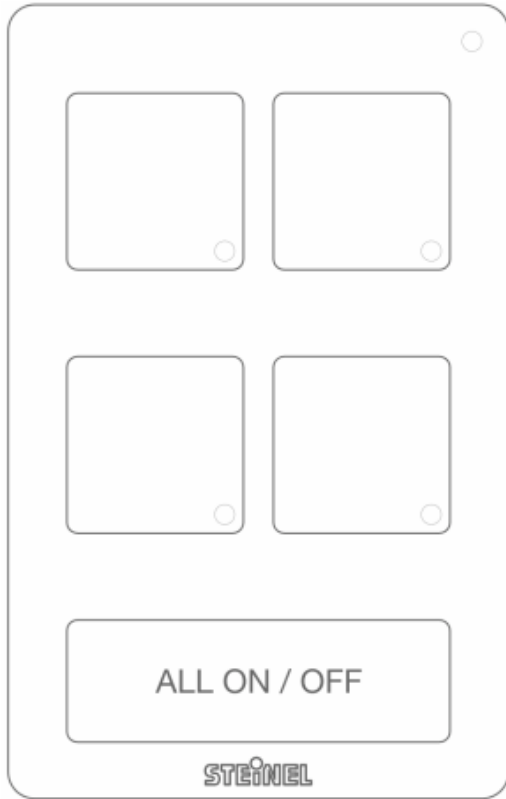
NF1 DCS



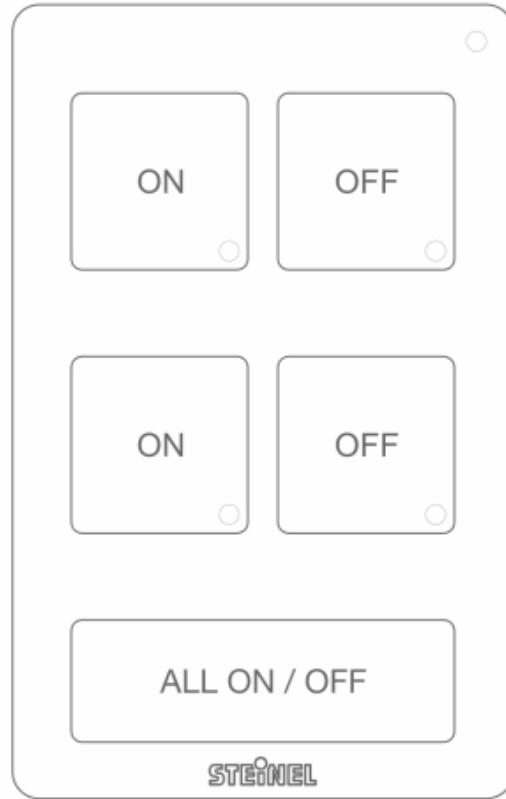
DS1 DCS  
In Stock

# DCS New Switches

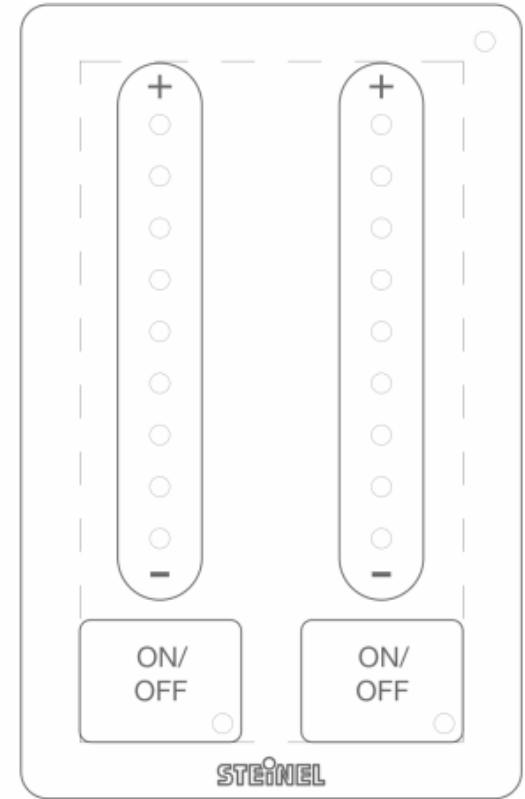
## Switches - Two Zone



SS4 DCS  
In stock



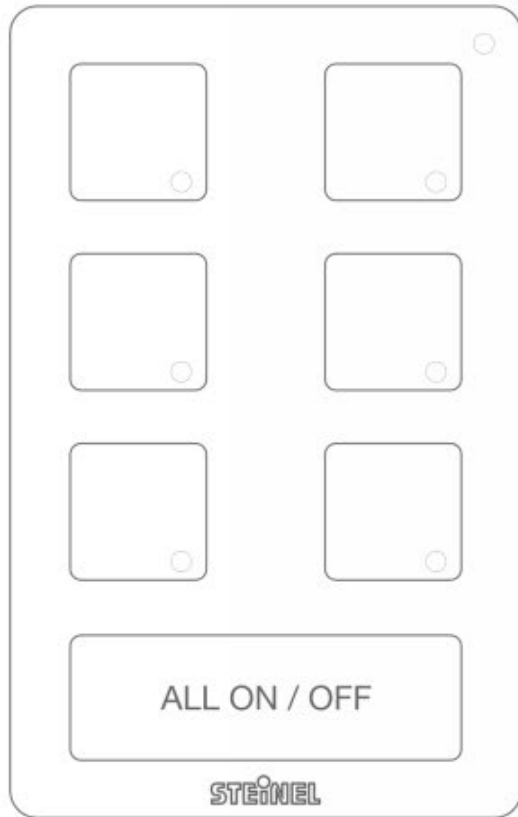
NF2 DCS



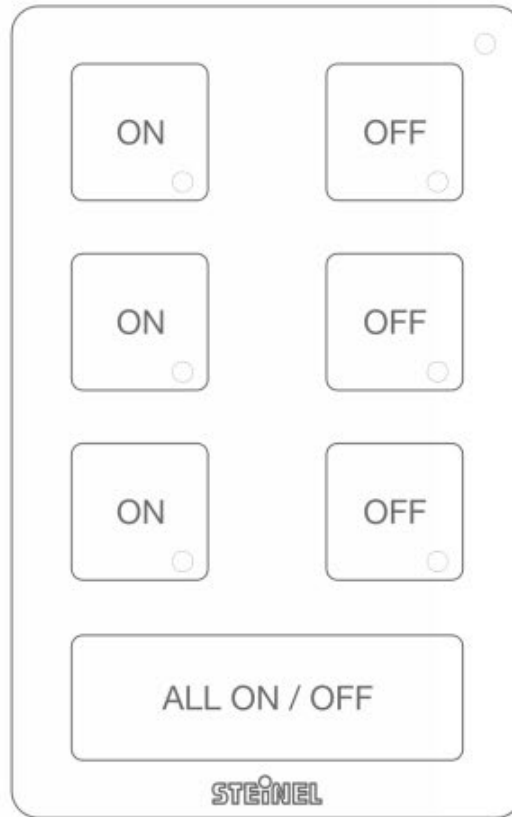
DS2 DCS

# DCS New Switches

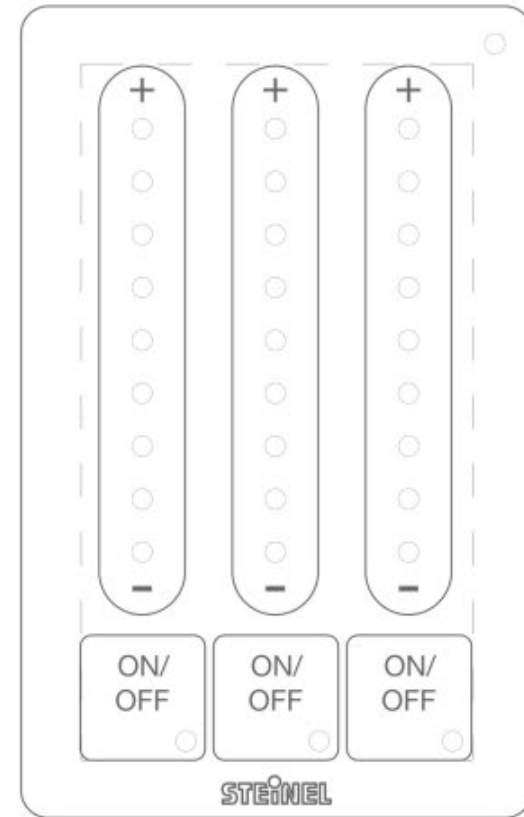
## Switches - Three Zone



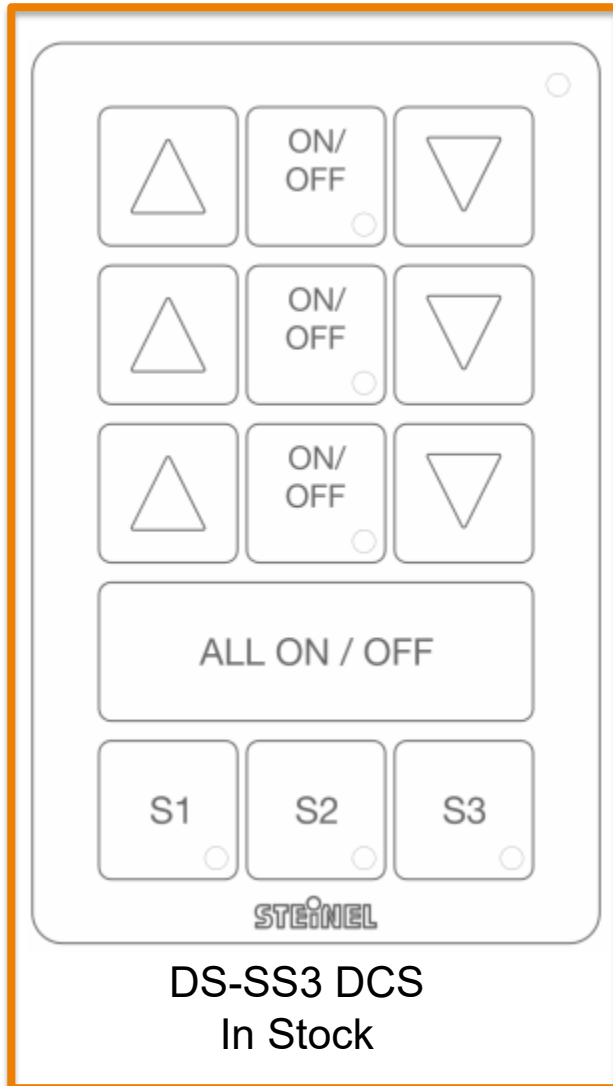
SS6 DCS



NF3 DCS



DS3 DCS



No other digital control solution offers a 13-button switch:

- 3 zone toggle on/off
- 3 zone up/down dimming
- Master on/off
- 3 programmable scenarios



4 momentary switch inputs  
2 wire Data Line









Qty. 2, SPDT Momentary Decora Style



# Digital Control Solution

## Control Pro Digital Sensors

	IR Quattro DCS	1760 switching zones Square coverage pattern Integrated photo cell for daylight harvesting
	IR Quattro HD DCS	4800 switching zones Square coverage pattern Integrated photo cell for daylight harvesting
	US Quattro DCS	Omnidirectional ultrasonic (40 kHz) presence detection Integrated photo cell for daylight harvesting IQ Mode dynamically adjusts the 'ON' time delay
	US Oneway DCS	Unidirectional ultrasonic (40 kHz) presence detection Integrated photo cell for daylight harvesting IQ Mode dynamically adjusts the 'ON' time delay
	US Hallway DCS	Bidirectional ultrasonic (40 kHz) presence detection Integrated photo cell for daylight harvesting IQ Mode dynamically adjusts the 'ON' time delay
	DT Quattro DCS	PIR & ultrasonic (40 kHz) presence detection Integrated photo cell for daylight harvesting IQ Mode dynamically adjusts the 'ON' time delay

Provides a **code-compliant solution** for most applications without programming.

The system is designed to immediately work in a basic configuration (default scene) once power has been turned on for the first time. STEINEL presence detectors, photo sensors and switches connected to the data line are automatically recognized by the system.

The default scene consists of the following settings:

– Sensor settings:

- Time Delay: 20 min
- Sensitivity: Maximum (available only for US and DT sensors)
- Partial ON in 50 % all loads

– Photo sensor

- Open Loop Mode
- Assigned to relay 1. Automatic daylighting begins after 1 minute and assigns between 30 – 50 fc at desk level.

• Hold OFF active

– Switches are automatically assigned according to their button description.

– Demand Response

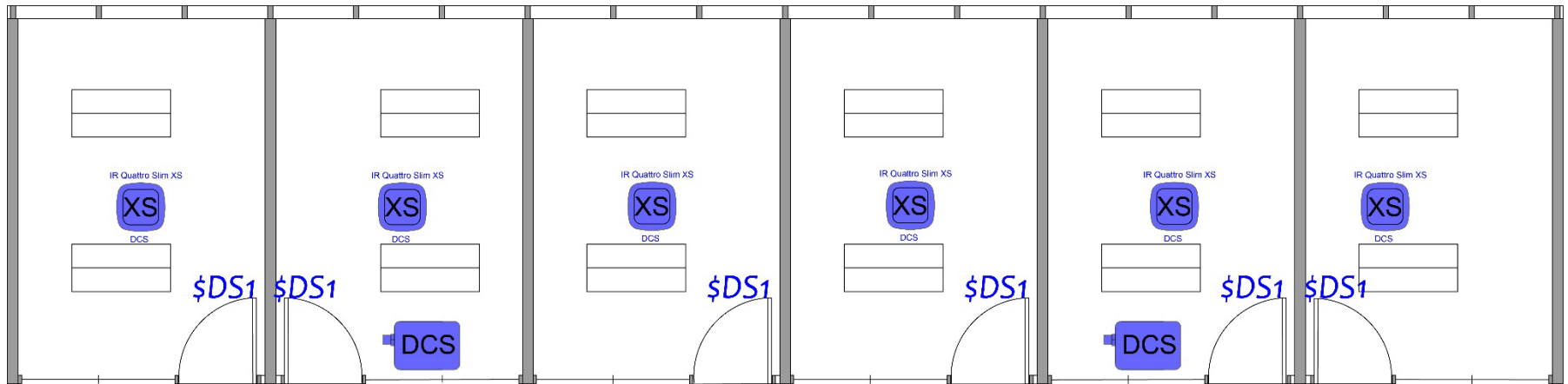
- Light level dimmed at maximum of 85 % when demand response signal is active.



# DCS APPLICATIONS

# Small Offices

## Multiple offices in a typical office building



### Products:

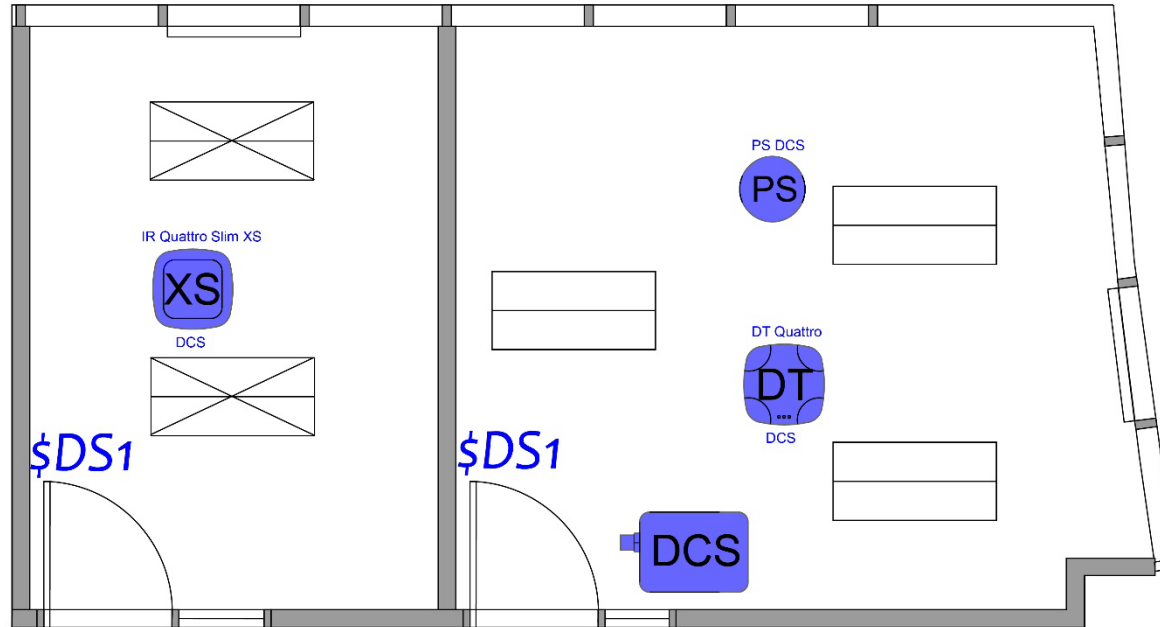
- 1 x DCS for every 3 offices
- 1 x SLIM XS Sensor
- 1 x DS1 switch



### Key Features:

- DCS controller not required in each office
- Inconspicuous sensor
- Single zone switch





### Products:

- 1 x DCS for 2 offices
- 1 x SLIM XS Sensor
- 1 x Photo Sensor
- 1 x DS1 switch

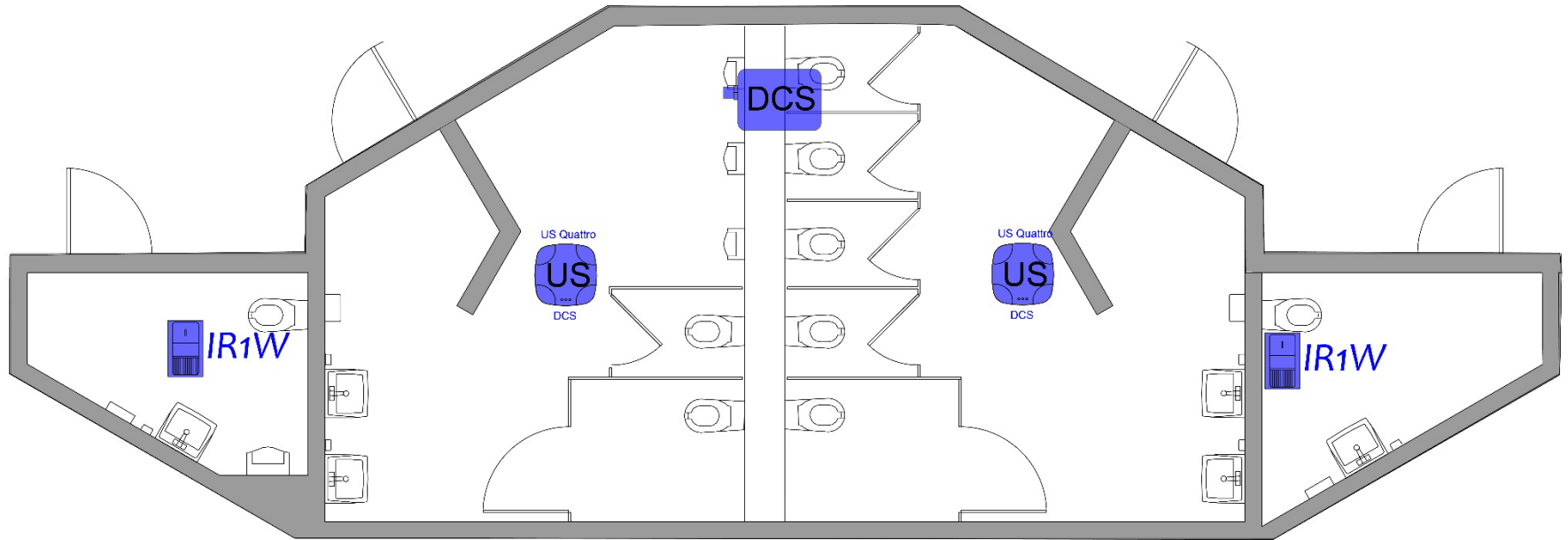


### Key Features:

- DCS controller not required in each office
- Daylight harvesting
- Inconspicuous sensor
- Single zone switch

# Public Restrooms

## Digital and analog sensors



### Products:

- 1 x DCS for 2 spaces
- 2 x US Quattro Sensor
- 1 x PIR Wall switch for unisex

### Key Features:

- DCS controller not required in each space
- Ultra Sonic for line of sight blocks
- Third DCS relay controls common exhaust fan

## Multiple zone control

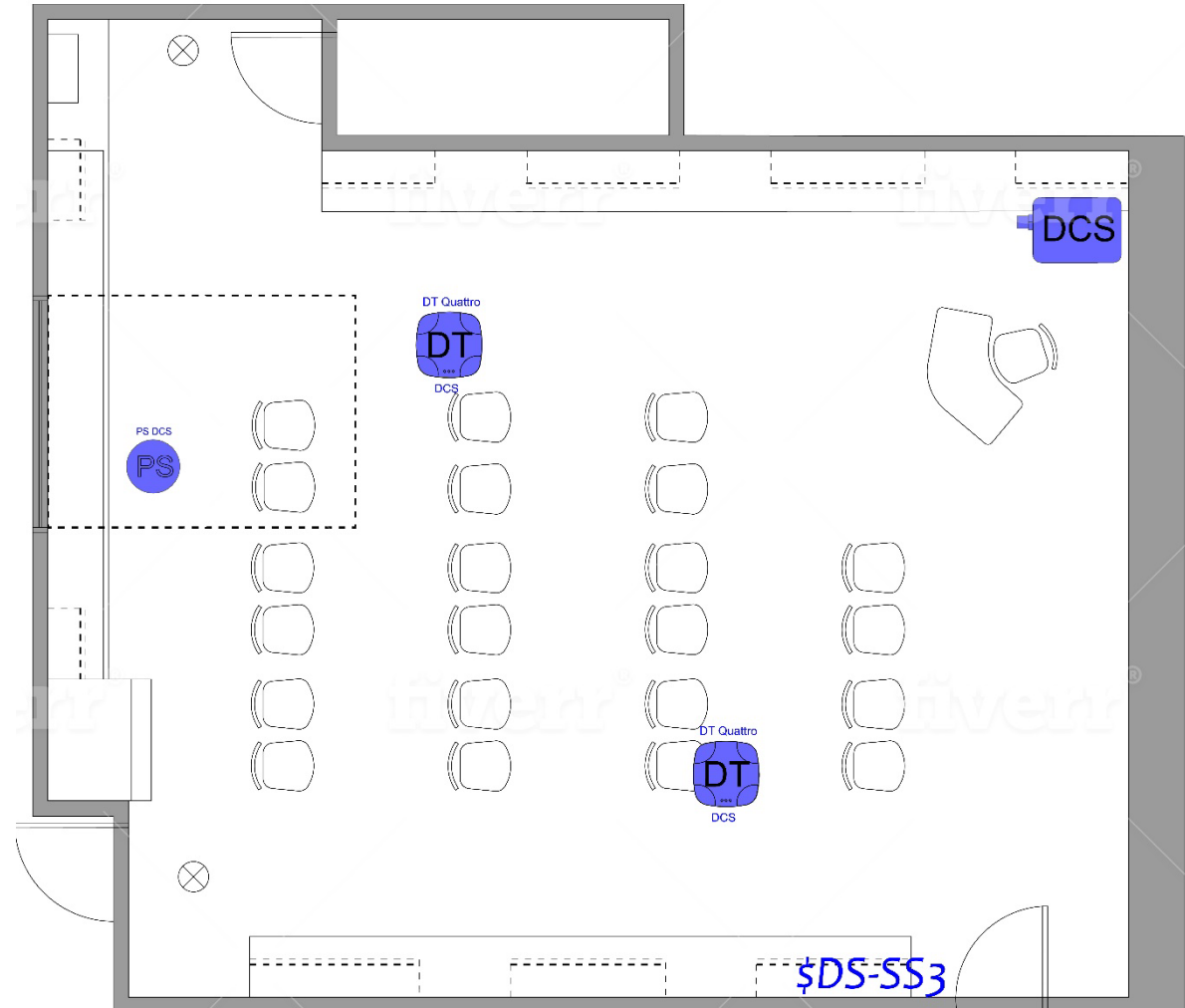
### Products:

- 1 x DCS
- 2 x DT Quattro Sensor
- 1 x Photo Sensors
- 1 x DS-SS3 switch



### Key Features:

- 1 DCS controller for all zones
- Primary and secondary daylight zones
- Plug and play



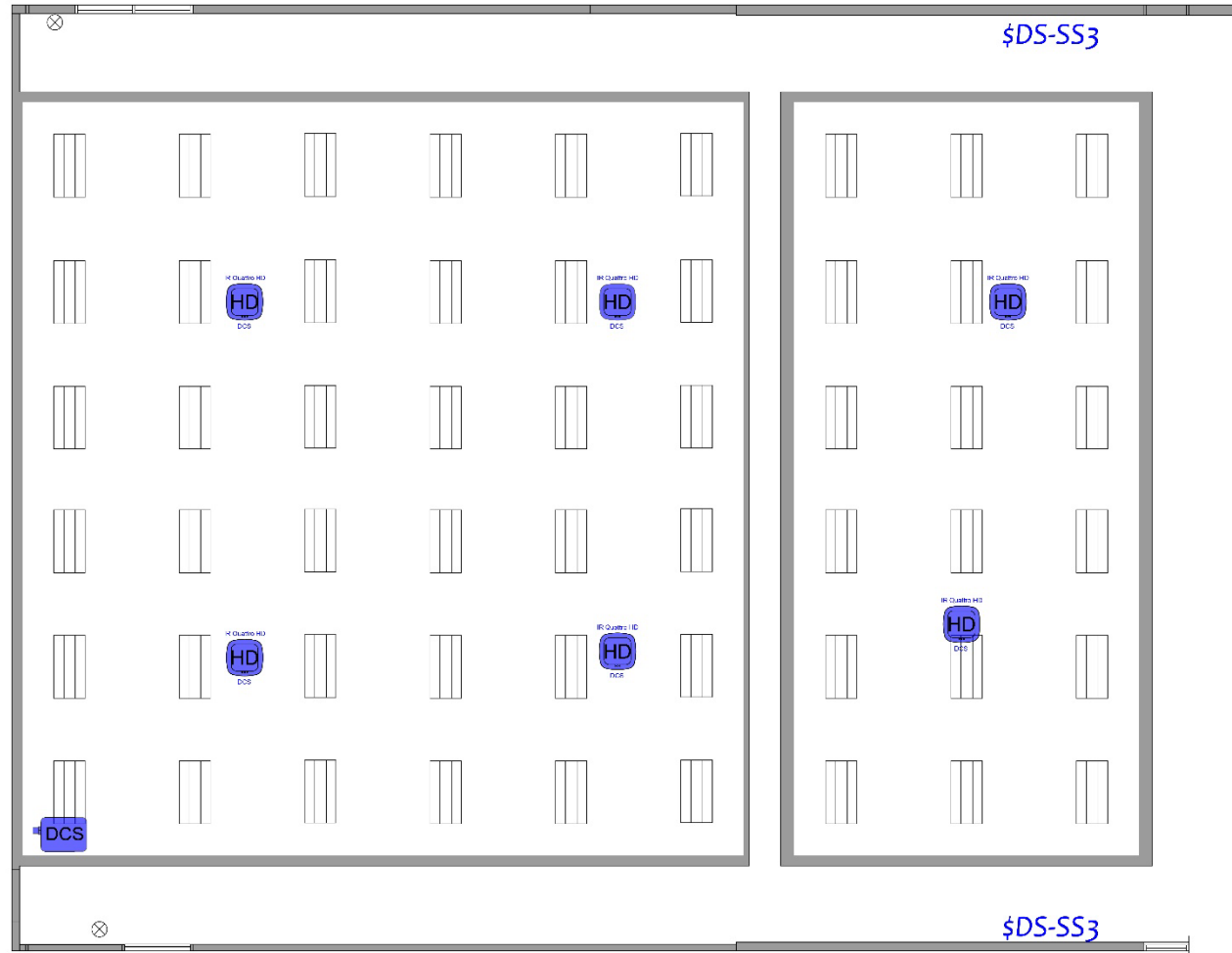
### Products:

- 1 x DCS
- 6 x IR Quattro HD sensors
- 2 x DS-SS3 switches



### Key Features:

- 1 DCS controller for all zones
- Plug and play
- Partial on 50% with occupancy
- 3 dimming zones
- 3 scenes
- Master all ON/OFF





# STEINEL Digital Room Controller

## The *Smarter* Digital Room Controller



## Digital Done Better

**Questions about our solutions?**

[tech@steinel.net](mailto:tech@steinel.net)

888.298.8298

**Need layouts for your project?**

Contact our tech team or your  
Regional Sales Manager.

**Need to connect with our sales team?**

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800.852.4343

