



GENERAL INFORMATION

The Paradigm Central Control Server scales up Paradigm systems to master the most complex lighting venues. By integrating a native BACnet communication system and incorporating ETC Virtual and Large-Format Touchscreens, the Paradigm Central Control Server achieves the most comprehensive building-wide control.

APPLICATIONS

- Hotels
- Museums
- Casinos
- Conference centers
- Theme parks

FEATURES

- Designed for use with Unison Paradigm Architectural Control Systems
- Provides a central interface and control for multiple discrete control systems
- Supports collection of measured and calculated energy usage
- Configurable Demand Response integration for load shedding
- Virtual Touchscreen Stations (VTS) and large-format touchscreen integration
- Native BACnet IP interface for integration with Building Management Systems (BMS)
- Supports BACnet event scheduling to ensure lighting events occur on time, even when the BACnet system is offline
- Provides network time synchronization for all ETC lighting products in the system
- Provides persistent error logging for the entire lighting control system
- LightDesigner™ Access: Web browser interface for easy modification, activation and monitoring of your system

REGULATORY AND COMPLIANCE

- ETL and cETL Listed
- CE Marked

ORDERING INFORMATION

Paradigm Central Control Server

| MODEL | DESCRIPTION |
|-------|--|
| P-CCS | Unison Paradigm Central Control Server |

Compatible Unison Paradigm Controls

| MODEL | DESCRIPTION |
|--------|---|
| P-ACP | Unison Paradigm Architectural Control Processor |
| P-TS18 | Unison Paradigm 18" Touchscreen |
| P-TSI | Unison Paradigm Touchscreen Interface |
| P-VTS | Unison Paradigm Virtual Touchscreen Application |



SPECIFICATIONS

FUNCTIONAL

- Supports up to 64 Paradigm Architectural Control Processors
- System
 - Multi-user LiveControl and LiveEdit
 - Network Time Protocol for real-time clock synchronization supporting real and astronomical events
 - Addition of processors to a system proportionately increases the overall capacities
 - Failure of a single Paradigm ACP does not prevent continuous operation of the remaining connected systems
 - Logging of system error messages using Syslog format
 - Support for ANSI / ASHRAE 135.1 BACnet IP protocol with up to 1000 each analog inputs, binary inputs, analog outputs, and binary outputs
- Diagnostics
 - Event logs are stored in persistent memory using Syslog format
 - Standard log shall store a history of recent activity
- Configuration Data
 - Remote upload from a connected PC running LightDesigner or another connected Paradigm ACP
 - Stored in persistent memory
 - Remote retrieval from a connected PC running LightDesigner
- Scalability
 - Supports up to 12 Paradigm ACPs in a single project (pcf)
 - Control Server project (spcf)
 - Supports network time service for synchronization of time and timed events
 - Supports multiple Paradigm projects on the same Ethernet network with logical limits between systems
 - Allows for timed event configuration from an external source using BACnet IP
 - Provides remote use of up to 32 individually customized Virtual Touchscreen applications (VTS)
- Web User Interface
 - Internal web server accessible via the primary Ethernet port
 - Activate and deactivate presets
 - Schedule global timed events (add/edit/delete)
 - Displays status information and log files
 - Configuration of server settings (date, time, network)
- California Title 20/24 Compliant

DEMAND RESPONSE

- Supports external triggering of utility initiated Demand Response
- Trigger may be RS232, UDP or BACnet
- Energy reduction may occur by:
 - Zone(s)/ Channel(s)
 - Group(s)
 - Space(s)

SPECIFICATIONS

ENERGY MANAGEMENT

- Supports measured energy usage for compatible products using Net3 networking. Contact ETC for compatible products.
- Supports calculated energy usage of all zones/channels controlled by connected Paradigm Architectural Control Processor(s)
- Displays energy usage and trends on user interfaces including:
 - 7" Touchscreen (P-TS7)
 - 18" Touchscreen (P-TS18)
 - Touchscreen Interface (P-TSI)
 - Virtual Touchscreen (P-VTS)
 - P-CCS web interface
- Historical data is stored for up to ten years with data granularity based on the age of the data
- Energy usage is recorded in 5 minute intervals

MECHANICAL

- Designed for use in Unison Paradigm Architectural Control Systems
- Self-contained electronics assembly
- Enclosure made from 16-gauge formed steel and finished in a black, fine-texture powder coat paint
- 1U, 19-inch equipment rack mountable
- Backlit power switch with blue LED status indicator
- Standard connections for the following interfaces:
 - Front panel USB connection
 - RJ45 Ethernet connection for Lighting Network
 - RJ45 Ethernet connection for Building Lighting Network (BACnet and VTS)
 - Four Rear panel USB connections
 - One RS232 Serial port (diagnostics only)
- Internal hard drive for storage of configuration data

ELECTRICAL

- 100-240VAC, 50/60 Hz power input
- Microprocessor-based technology to provide system wide, multi-project lighting and building controls
- Two IEEE802.3u-compliant Ethernet connections
 - Primary port for connection to lighting systems for Virtual Touchscreen Interfaces
 - Secondary port for connection to BACnet systems and Virtual Touchscreen Interfaces
- Automatic restoration to previous power state when returning from power loss
- System configuration and programming information stored in persistent memory
- Support of ESTA ANSI E1.17 Advanced Control Networks

THERMAL

- Ambient room temperature: 0-40°C / 32-104°F
- Ambient humidity: 5-95% non-condensing

PHYSICAL

P-CCS Dimensions*

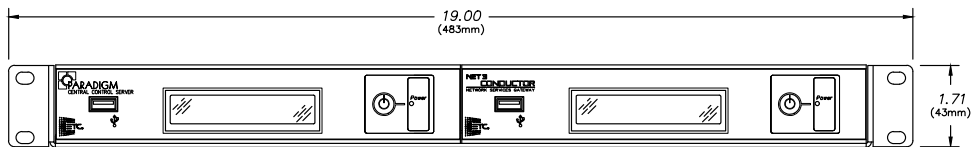
| MODEL | HEIGHT | | WIDTH | | DEPTH | |
|-------|--------|----|--------|-----|--------|-----|
| | inches | mm | inches | mm | inches | mm |
| P-CCS | 1.71 | 43 | 19.00 | 483 | 13.53 | 344 |

P-CCS Weights*

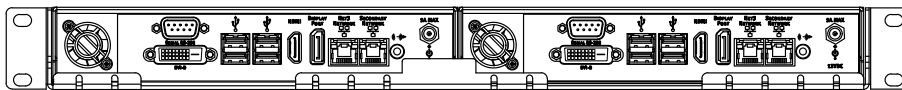
| MODEL | WEIGHT | | SHIPPING WEIGHT | |
|-------|--------|------|-----------------|------|
| | lbs | kgs | lbs | kgs |
| P-CCS | 18.7 | 8.48 | 19.94 | 9.10 |

*Weights and dimensions typical

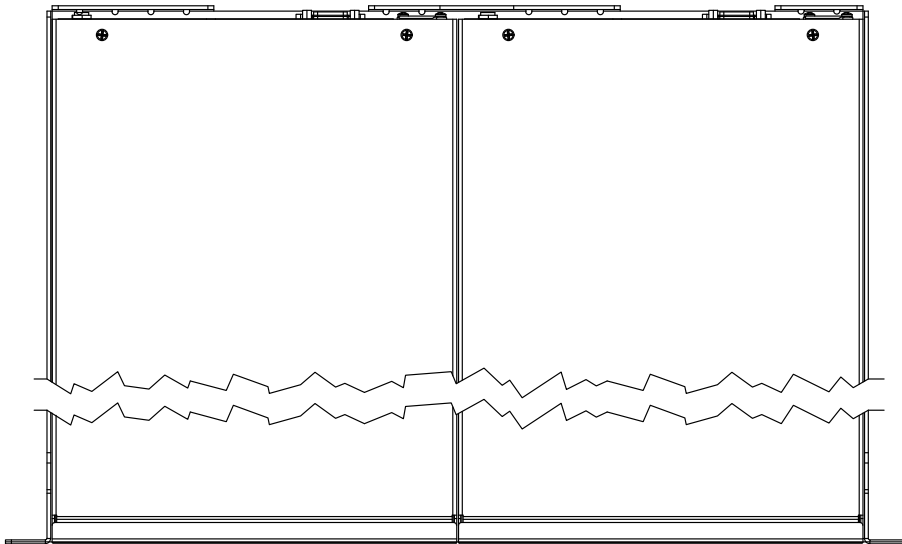
FRONT VIEW



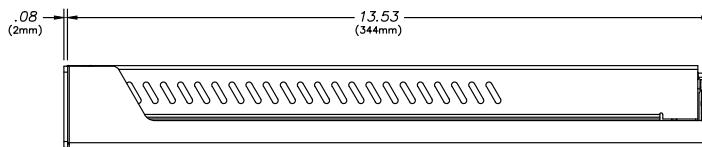
REAR VIEW



TOP VIEW



SIDE VIEW



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