



HCS with COSMOS

COSMOS is an optional feature that enables UART serial communication and a digital load management interface through a wired conduit. COSMOS allows integration of the charging station with building energy management or other third party monitoring and control systems.

How to Use:

The pre-wired secondary conduit comes with a 15-wire interface. This conduit can be wired to an existing building access control or other third party access control system to enable the key features of these COSMOS units. The conduits from two COSMOS units can also be wired to each other to enable the Share2 feature. Please refer to the Optional Features manual or call for further details.



Key Features:

Digital Load Management Access Point (COSMOS) – Connect to a third-party load management system for four levels of power control (100%, 50%, 25% and 0%).

Digital Access Control (ChargeGuard EX) – Restrict access to the charger with a simple interface that connects to the existing building access control system.

Optional Load Sharing (Share2) – Ease circuit breaker restrictions by letting 2 EV chargers share power from a single circuit breaker. 50% power provided to both units when both in use, 100% power when only single charger is used.

Optically-Coupled UART Serial Communications Interface – View vehicle connected status & monitor if a vehicle is currently connected to the station. Five levels of power control (100%, 75%, 50%, 25%, and 0%). View advanced EVSE diagnostic information to determine fault status remotely.

PRODUCT SKUs	PRODUCT DESCRIPTION
HCS-40R-C17-L18-A141-178	32A/24A/16A/08A charging, 240VAC, 10AWG service, 18' 10AWG ruggedized J1772 connector, with load management interface & digital access control (COSMOS 15-wire conduit)
HCS-40R-C17-L25-A141-170	32A/24A/16A/08A charging, 240VAC, 10AWG service, 25' 10AWG ruggedized J1772 connector, with load management interface & digital access control (COSMOS 15-wire conduit)
HCS-50R-C29-L25-A141-280	40A/30A/20A/10A charging, 240VAC, 8AWG service, 25' 10AWG ruggedized J1772 connector, with load management interface & digital access control (COSMOS 15-wire conduit)
HCS-60R-C22-L18-A141-185	48A/36A/24A/12A charging, 240VAC, 8AWG service, 18' 8AWG ruggedized J1772 connector, with load management interface & digital access control (COSMOS 15-wire conduit)
HCS-60R-C22-L25-A141-179	48A/36A/24A/12A charging, 240VAC, 8AWG service, 25' 8AWG ruggedized J1772 connector, with load management interface & digital access control (COSMOS 15-wire conduit)
HCS-80R-C22-L18-A141-186	64A/48A/32A/16A charging, 240VAC, 8AWG service, 18' 8AWG ruggedized J1772 connector, with load management interface & digital access control (COSMOS 15-wire conduit)
HCS-80R-C22-L25-A141-180	64A/48A/32A/16A charging, 240VAC, 8AWG service, 25' 8AWG ruggedized J1772 connector, with load management interface & digital access control (COSMOS 15-wire conduit)