

A PORTAL FOR BACK-UP POWER MONITORING AND CONTROL

Transfer switches provide the ideal location for monitoring back-up power systems. Situated between power sources and loads, they offer a pathway for collecting power data and controlling important functions. With its new IO capability, the ASCO 5140 Transfer Switch Communication Module is the key to gathering important information from peripheral equipment and sharing it in real-time. It is available for ASCO 4000 SERIES and SERIES 300 transfer switches as Accessory 72EE.



The 5140 Communication Module unlocks important power data:

- Enables remote testing of transfer switches and generators
- Sends real-time notices of power system events and alarms
- Provides power information to web application and monitoring systems

Access Power Information to Optimize Operation	Control Critical Power Functions Remotely	Securely Transmit Critical Power Data
Assess device state, event logs, and equipment settings for transfer switches, generators, and more using any networked terminal.	Initiate load transfers between sources through the 5140's web application. Start and stop generators and bypass time delays in real-time.	Transmit and receive using open protocols and the built-in Ethernet switch. Enforce end-to-end security to meet the Advanced Encryption Standard.

- Remote Transfer Control and Generator Test
- Email Notification for Critical Events and Alarms
- Remote Monitoring using Modbus and SNMP Protocols

The **5140 Transfer Switch Communication Module** is an easy-to-deploy solution for connecting, monitoring, controlling, and securing transfer switches in critical power systems.

Monitor

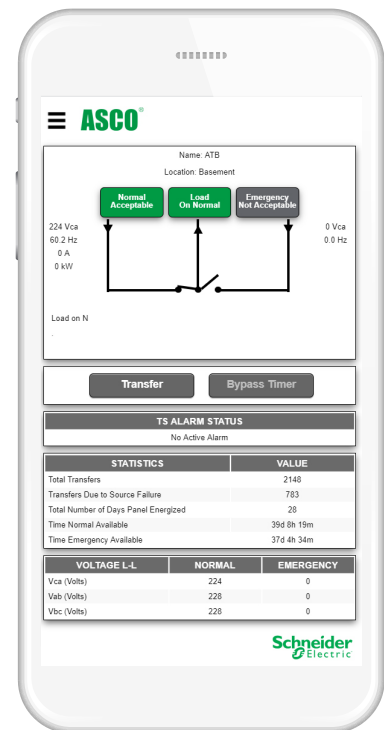
- Monitor utility sources supplying low voltage transfer switches
- View transfer switch status and statistics
- Monitor generator status, operating data, safety indicators and shutdowns
- See dynamic one-line display of transfer switch status
- Aggregate and assess power demand and energy consumption
- View alarms, event logs and active timers
- See pick-ups, drop-outs, time delays, engine exerciser schedule, and feature settings
- Survey status of circuit breakers and surge protective devices

Control

- Remotely exercise and test engine-generators using the Module's web application
- Remotely transfer loads between sources
- Bypass active transfer time delays on demand
- Selectable fail-safe sequences for load control during communication delay or failure

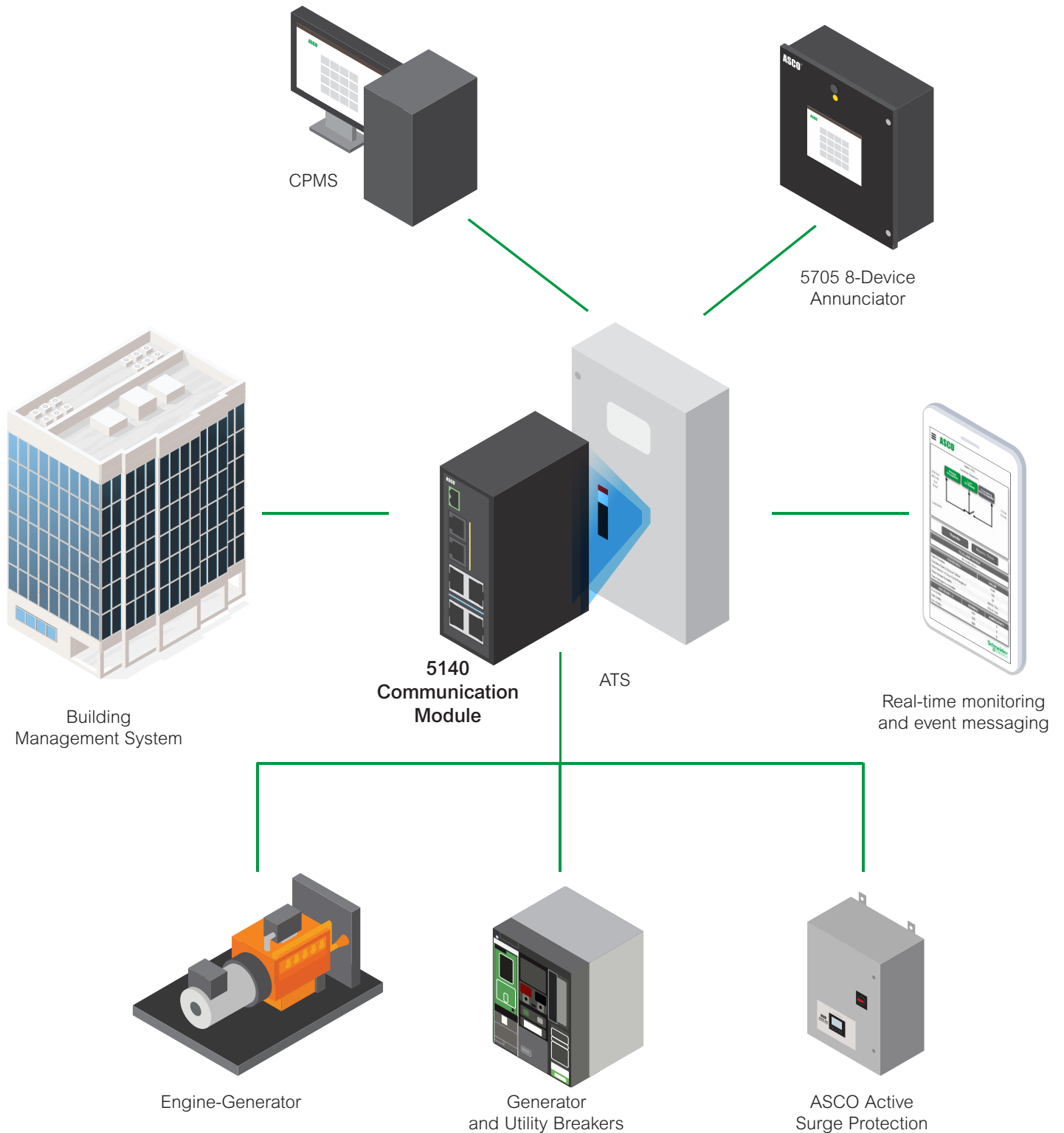
Connect

- Use integral four-port Ethernet Switch to network multiple devices and transfer switches
- Use hard wire contacts to annunciate and control generators, circuit breakers, and surge protective devices
- View transfer switch information on a device-responsive mobile web application
- Use open Modbus and SNMP protocols to share data with power and building monitoring systems
- Send real-time notices via an email server or ASCO's email service



Secure

- Manage personnel access to monitoring, control, configuration, and web functions with three user-authentication levels
- Use signed boot loader and firmware to prevent the intrusion of malicious programs
- Use 128-bit encryption to enhance data communication security
- Disable communications module control privileges via administrator level inputs
- Configure data protocols to mitigate probing by network intruders
- Limit and recover from Denial-of-Service attacks



Ordering and Specification Information

Product	
Catalog Number	5140
Catalog Name	Transfer Switch Communication Module
Dimensions (Inches)	4.625H x 1.760W x 3.570D
Weight	1 Pound
Mounting	DIN Rail
Redundant Control Power	24VDC

Ports	
	Ethernet
Quantity of Ports	4
Type of Ports	RJ45, 10/100 Base TX
Protocols	Modbus TCP/IP, SNMP, SMTP

Ordering Information		
Item	Designation	Description
Accessory for New Equipment	72EE	5140 Communication Module
Kit for Existing Equipment	948551	- 5140 Communication Module - Mounting hardware - Cable