Introduction

For control units that are not network compatible or may be too remote for a network connection, the TrueSite Workstation can communicate to a compatible digital alarm communicator receiver (DACR) through an RS-232 port. This requires the DACR Interface software option 4190-5060, see Compatible DACRs listed in this introduction. Remote control units equipped with digital alarm communicator transmitters (DACTs) communicate their local event status, or individual point status, to the DACR using dial-up telephone and optional TCP/IP connections. The DACR forwards the individual control unit status to the workstation for information processing and history logging.

Compatible DACRs

- Bosch Model D6600, D6100i, and D6100Ipv6
- Sur-Gard Model System I, II, III, IV, and V
- AES Intellinet 7705i and 7705ii wireless-to-internet receiver
- Sur-Gard Model MLR2-DG, legacy product

Note: Refer to each DACR's installation instructions for more details.

DACR events

The TrueSite Workstation handles DACR points as though they are network points. You can display graphics and easily acknowledge point status changes. Point acknowledgement occurs locally on the workstation because communications between the DACT and DACR are from DACT to DACR only. You need to acknowledge, silence, or reset remote control units at the individual control unit. Point events are entered into the workstation history log as part of its 500,000 event storage capacity.

Supported DACR/DACT formats

Compatible DACRs support standard reporting formats including: ADEMCO CID (Contact ID format), SIA Level 1, SIA level 2, BFSK, 3/1 and 4/2. You can configure a CID account on the TrueSite Workstation to be either control unit event reporting or with individual point reporting. The other formats provide control unit event reporting only.

Note: The SIA2 protocol is only available for Sur-Gard connections using TSW version 6.03 or higher.

TrueSite Workstation points for DACR accounts

Workstation points are associated with a DACR account number. Standard event points have up to a 19 character label for each point. CID point reporting has up to a 40 character label. DACR event categories include the following:

- Fire alarm
- Priority 2 alarm
- Supervisory alarm
- Trouble
- Utility status
- Unknown point (CID format only)

An occurrence of these events is prefixed with the 19 character account label.

Public points

You can select the workstation to make DACR associated points public to the fire alarm network for monitoring by other network nodes if required.

DACR status tracking

The DACR connection to the workstation is supervised with the trouble conditions in Table 1 tracked by the workstation.

Table 1: DACR trouble conditions

Trouble	Details
Communications loss	A communication loss is detected between DACR and workstation.
Initialization failed	The workstation to DACR connection did not successfully establish.
Unknown DACR message	The DACR sent a message that was not understood by the workstation.
Unknown DACR account	The account information received does not correlate to an workstation point.

DACR link test option

Use this option to monitor all accounts for activity. If an account is inactive for 36 hours, TSW indicates an account level trouble. For more information, refer to *TrueSite Workstation TSW Configurator User Guide (579-844)*

Include DACR in Time Syncs

You can use the TSW Configurator to apply daylight savings time changes for the Dire Panel Network and the Sur-Gard System V. This option only supports SurGard System V TCP/IP DACR connections.

DACT supervision

The workstation is programmed to log periodic supervisory transmissions from the DACTs through the DACR. Failure to receive a supervisory transmission causes a trouble event on the TrueSite workstation.

Refer to Product Selection tables for specific product listing details. CSFM Listing: 7300-0026:323. Accepted for use - City of New York Department of Buildings - MEA35-93E (does not include model 4190-8403). Additional listings may be applicable; contact your local Simplex product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. are the property of Tyco Fire Protection Products.

Event restoration

When the workstation receives an event restoration from the DACR, it restores that point's status record to normal. The workstation can manually restore a point to normal when a restoration occurs that is not forwarded to the workstation.

DACR interface reference diagram

Figure 1: DACR interface reference diagram

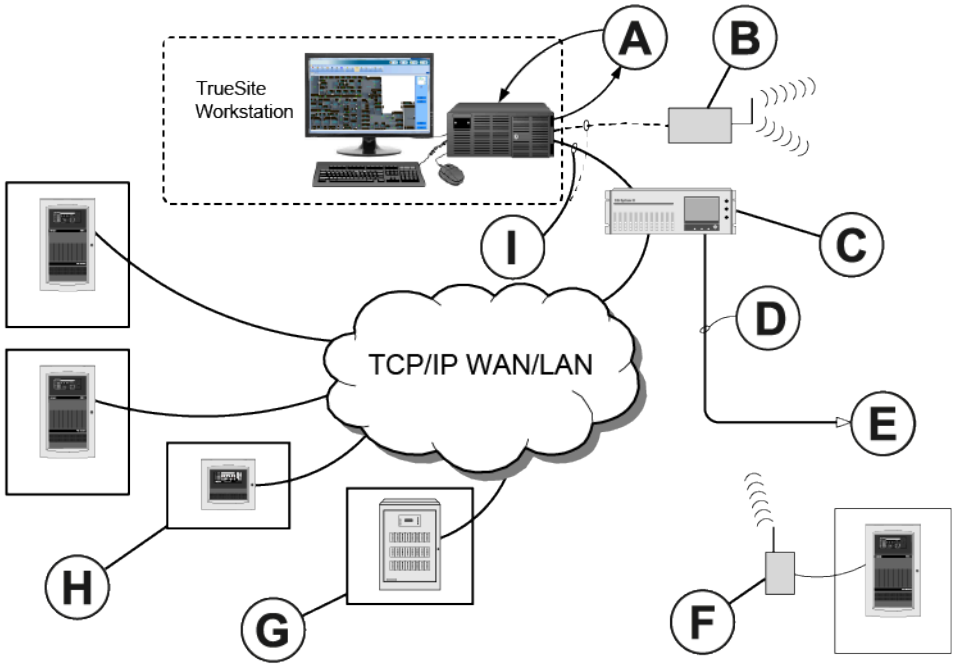


Table 2: Image callouts

Callout	Description
A	Wiring to standard fire alarm control unit (FACU) network loops
B	Alternate connection, for example the AES Intellinet 7170 series wireless transceiver equipment
C	Compatible DACRs such as the following: • Sur-Guard Model System I, II, III, IV or V • Bosch Model D6600, D6100i, or D6100IPv6 • AES Intellinet 7705i or 7705ii Refer to the relevant product documentation for details.
D	Alternate path through a dial-up connection for compatible Sur-Guard and Bosch DACRs. Refer to product documentation for optional modules.
E	Telephone line connection, POTS
F	AES Intellinet 7788 wireless communicator
G	Compatible non-Simplex units
H	Remote FACUs with TCP/IP communicators such as the DSC TL300, UL and ULC listed, or the Bosch C900V2, UL listed only.
I	RS-232 link. 6 ft (1.8 m) cable supplied with 4190-5051

Product selection

Note: Equipment and specifications may vary due to equipment design changes.

Table 3: Compatible TrueSite hardware products

Model	Description	Listings	
		UL	ULC
4190-8401	**TrueSite Workstation Annunciator** For use as an annunciator under the following listings: • UL 864 and ULC-S527 Control Units and Accessories for Fire Alarm Systems • UL 2572 Control and Communication Units for Mass Notification Systems • UL 2610 as a Commercial Premises Security Alarm Unit (AMQE.S771) Also for use as UL 864 UUKL Firefighter Smoke Control Station	Yes	Yes
4190-8403	**TrueSite Workstation Supervising Station Control Unit** For use as a Supervising Station Control Unit under UL 864. Also for use as the following: • UL 2572 Supervising Station Control Unit for Mass Notification Systems • UL 2610 as a Commercial Premises Security Alarm Unit (AMQE.S771) Reports and logs events. To add an optional event printer, refer to S4190-0020 for more details.	Yes	Yes
4190-8404	**TrueSite Incident Commander Annunciator** For use as an annunciator under the following listings: • UL 864 and ULC-S527 Control Units and Accessories for Fire Alarm Systems • UL 2572 Control and Communication Units for Mass Notification Systems • UL 2610 as a Commercial Premises Security Alarm Unit (AMQE.S771) Also for use as UL 864 UUKL Firefighter Smoke Control Station	Yes	Yes
4190-8405	**TrueSite Incident Commander Supervising Station Control Unit** For use as a Supervising Station Control Unit under UL 864. Also for use as the following: • UL2572 Supervising Station Control Unit for Mass Notification Systems • UL 2610 as a Commercial Premises Security Alarm Unit (AMQE.S771) The unit reports and logs events. To add an optional event printer, refer to S4190-0020 for more details. If you use a DACR for a UL 864 listing, select the Bosch D6600 with CID format.	Yes	Yes

Note: Refer to TrueSite hardware datasheets for additional information.

Additional reference

Table 4: Additional product reference

Description	Document
TrueSite Workstation	*S4190-0016*
TrueSite Incident Commander	*S4190-0020*

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