



# Sporlan Display Module

## Quick Reference Guide

SD-471 / 92021



The Sporlan **Display Module** should be installed only by a qualified professional. All other system components should be supplied by Sporlan to ensure compatibility and proper operation. The Sporlan Display Module works with the Sporlan Cold Room Controller and the Sporlan S3C Series Controllers.

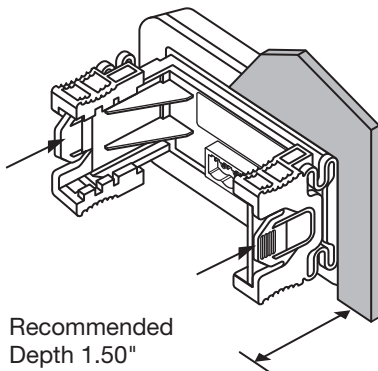
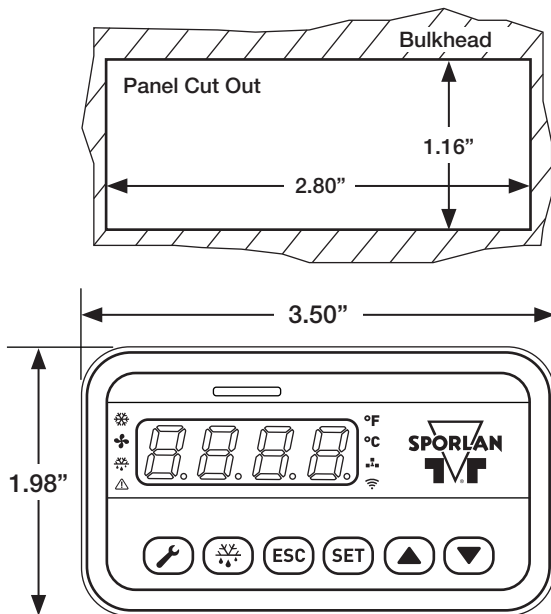


**Use caution when working around high voltage components.**  
**Safety covers should be used for personal safety on high voltage panels.**

### 1. INSTALLATION

The display may be mounted inside or outside the refrigerated space.

1. Using the dimensions in figures below, carefully remove the square cut out location on the panel/bulkhead for the Display Module.
2. Slide the Display Module through the cut out and install the two installation clips (provided). Tighten until the spring clips are compressed.



3. With power off, wire the Display Module to the controller using the wiring diagram shown in this guide. **Maximum torque on screw terminals is 3.5 in-lbs.**

**NOTE:** Use the recommended, shielded, twisted pair cable in Table 1. Attach one end of shield to earth ground. Wire designations are located on the back-side of the Display Module. Ensure that all wiring is properly fastened and away from sharp edges or moving objects. Do not route Display Module wiring in the same conduit as 120VAC or greater.

Figure 1 - Wiring Diagram

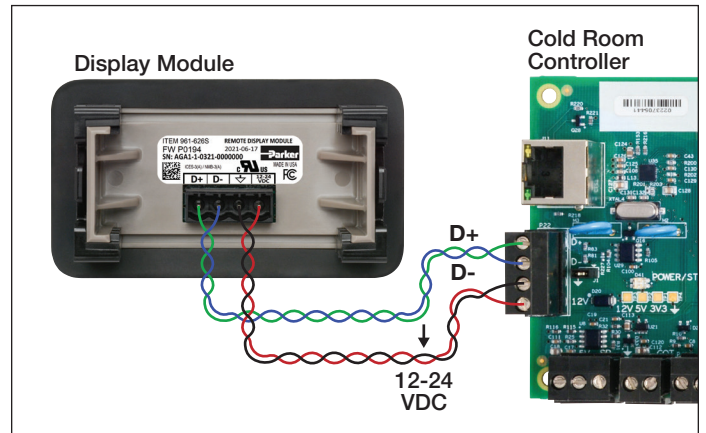
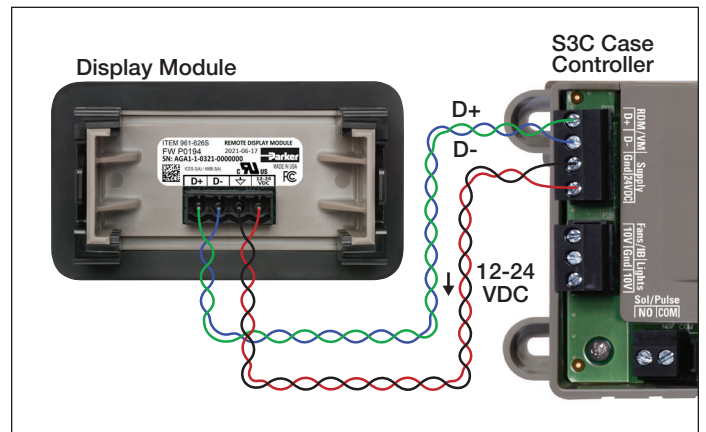


Figure 2 - Wiring Diagram



**Table 1 - Recommended Cables**

Controller	Recommended Cable	Maximum Cable Length
<b>S3C Case Controller</b>	22AWG Belden 8723 or equivalent	400 ft.
<b>Cold Room Controller (CRC)</b>	22AWG Belden 8723 or equivalent	200 ft.
	20AWG Belden 1033A or equivalent	400 ft.

4. For system setup, follow the instructions for the controller the Display module is connecting to. No additional setup is necessary.

## 2. BLUETOOTH APPLICATION



Sporlan has developed the TechCheck application for mobile devices. It is available on the iOS Apple App Store. This application provides a friendly user interface that allows the user to interact with the controller in a user-friendly way.

The user can use any iOS, Bluetooth 4.2 enabled mobile device to interact with the controller using the TechCheck app. The app may be downloaded by going to the Apple App Store and searching for Sporlan Tech Check. The user must download the app and install it on their mobile device. The app will then walk the user through an account creation process. This app gives users the ability to interact with several Sporlan products. For some products, the user may need to request permission through the app. For more information, contact the Sporlan Applications Team.

### DOWNLOAD THE SPORLAN TECH CHECK APP


Scan this QR code with your phone's camera to download the Tech Check App, or visit the AppStore.



The TechCheck app enables several features including:

- Live viewing of process values such as return air temperature, suction pressure, superheat, etc.
- Live and historical graphing of process values.
- Temporary override of outputs such as valve position, fan state, etc.
- Viewing of configuration parameters.
- And more...

To connect to the controller with the TechCheck app, follow the steps below:

1. Press and hold the ▼ button for 5 seconds. The wireless connection indicator  should start blinking.
2. Open the TechCheck App on your mobile device.
3. The screen will show the controller with its identifier information.
4. Press on the controller text in the app to connect to the controller.

