

ACC-CD-S Relay Setpoint Software

Application Requirements

This software is used to define the relay setpoints of CO₂ transmitters. The factory default relay setpoints are 1,000 ppm On and 950 ppm Off. The On level must be a minimum of 10 ppm higher than the Off level. When the CO₂ concentration is increasing, the relay will close at On level. The relay will open when the measured concentration is below the defined Off level.

Installation

Parts Included

- ACC-CD-S relay setpoint software
- serial Communications Port (COM) adaptor cable

Special Tools Needed

To use ACC-CD-S relay setpoint software, you need the following items:

- Personal Computer (PC) with a serial COM
- Microsoft® Windows® 95, Windows 98, Windows NT®, or newer operating system
- ACC-CD-S relay setpoint software
- CO₂ transmitter
- serial COM adapter

Installation Procedure

Successful installation of the relay setpoint software is required prior to changing the CO₂ transmitter's minimum and maximum relay output trigger points.

Software Installation

To install the relay setpoint software:

1. Insert the installation disk.
2. Open the file by selecting one of the following:
 - a:\setup.exe in the File Manager or Windows Explorer.
 - Run in the Windows Start menu. When prompted, enter a:\setup.

Note: A window appears stating: Begin the installation by clicking the button below.

3. Click the install button. The default installation directory is C:\Program Files\RelaySetpoint. To install the software in another directory, click Change Directory and enter the directory.

Note: Upon successful installation, the program generates a window stating: Relay Setpoint Setup was completed successfully.

An executable icon called Relay Setpoint appears in the Programs menu of the Windows Start menu.

Running the Relay Setpoint Software

To run the relay setpoint software:

1. Remove power to the transmitter.
2. Remove the transmitter cover.
3. Unplug the display module (if one exists) from the upper two 2-pin connectors (X6 and X7) and the lower 5-pin connector (X3). See Figure 1.

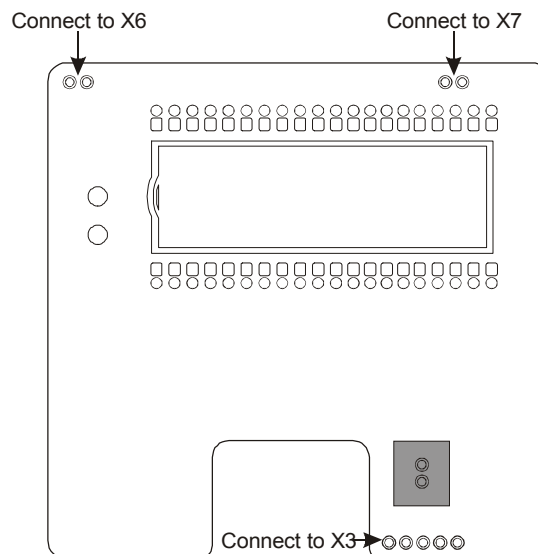


Figure 1: Display Module

- Connect one end of the serial COM adaptor cable to the serial COM connector (X5) on the transmitter Printed Circuit Board (PCB) (see Figure 2 and Figure 3).

Note: The serial COM adaptor cable is usually connected with the brown side down and the black side up. If set-up problems occur, try reversing the direction of the cable on the X5 connector (see Figure 2).

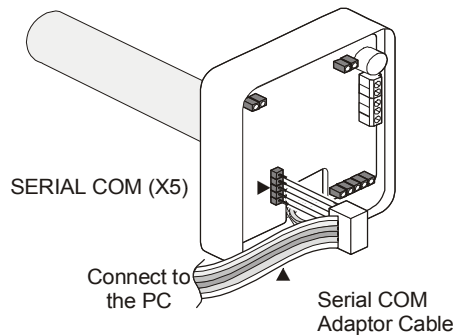


Figure 2: Connecting the COM Adaptor Cable

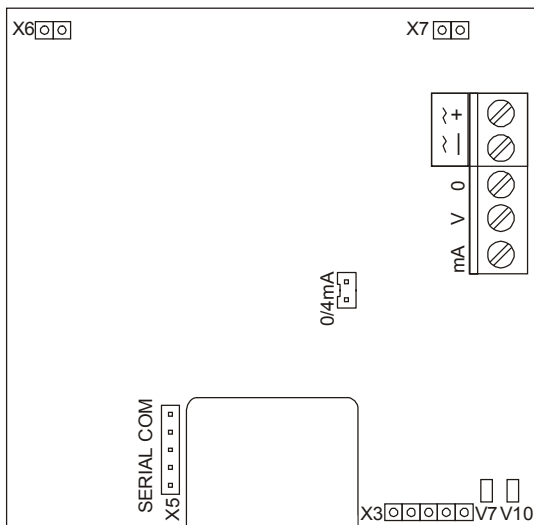


Figure 3: Transmitter PCB

- Connect the other end of the serial COM adaptor cable to an available COM port on the PC (see Figure 2).
- Apply power to the transmitter.
- Run the relay setpoint software by double-clicking on RelaySetpoint.exe or select Programs > Relay Setpoint from the Windows Start Menu.

- Identify the computer port where the serial COM adaptor is connected and select it from the Com pull-down menu (see Figure 4).

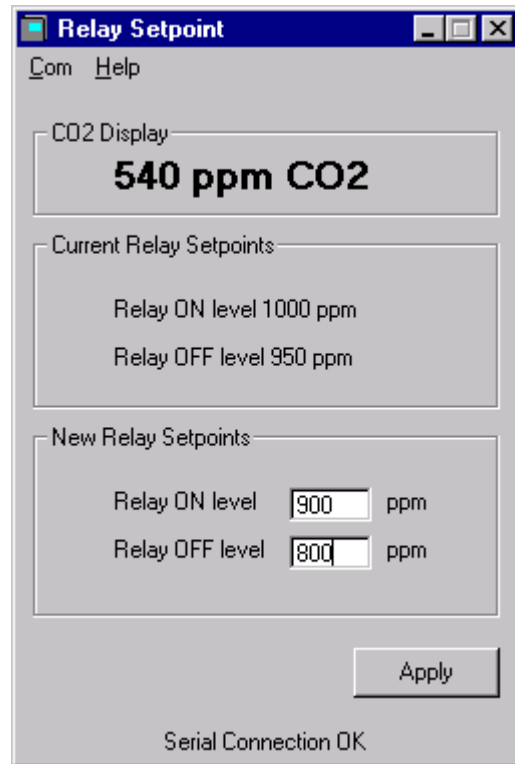


Figure 4: Relay Setpoint Configuration Menu

- Enter the new relay setpoint values for relay On and relay Off levels.

Note: The relay On level must be a minimum of 10 ppm higher than the relay Off level.

- Click the Apply button to set the new values.

Uninstalling the Relay Setpoint Software

To uninstall the Relay Setpoint Software:

- Select Settings > Control Panel from the Windows Start menu.
- Double-click on the Add/Remove Programs icon. The Add/Remove Programs Properties dialog box appears.
- Select Relay Setpoint.
- Click Add/Remove.
- Click OK.

Troubleshooting

If the serial COM adaptor cable is installed properly, the green Light-Emitting Diode (LED) (V10 in Figure 3) on the product pulses with the light source. When it is incorrectly installed, the LED does not light.

- Verify that the COM port connected to the serial COM adaptor and the chosen COM port in the COM menu are the same.
- Ensure that all hardware connections are properly placed and not loose.
- Refer to the relay setpoint software help file if further installation problems exist.

Technical Data

Product	ACC-CD-S Relay Setpoint Software
Operating System Requirements	Microsoft Windows 95, Windows 98, or Windows NT
Shipping Weight	0.2 lb (90 g)

The performance specifications are nominal and conform to acceptable industry standards. For application at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products.



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