

# 25Amps Relay Device Station (DSR-1) User Manual



## OVERVIEW

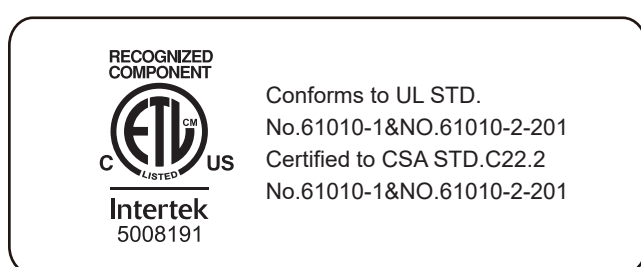
The TrolMaster DSR-1 Relay Device Station is a high-current output module compatible with Hydro-X, Aqua-X, Tent-X, Carbon-X, and Green-X control systems. The DSR-1 can be configured as a temperature (DST), humidity (DSH), CO2 (DSC), or timer (DSP) device module. It is designed with overload protection, a local override function, and a local alarm for relay contact adhesion. The DSR-1 supports up to 25 amps, ensuring reliable operation of connected equipment.

## PACKAGE CONTENTS

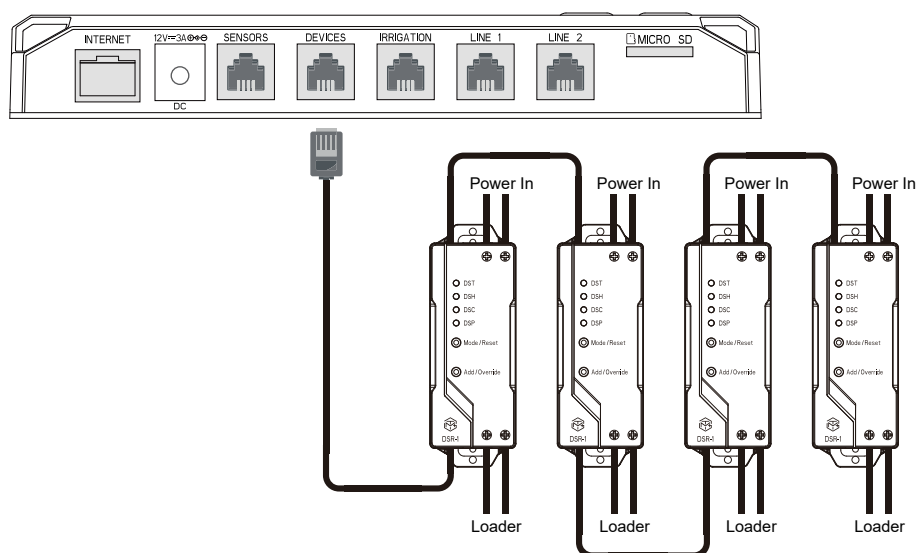
- 1x 25Amps Relay Device Station (DSR-1)
- 1x 0.5ft RJ12 Cable
- 1x 4ft RJ12 Cable

## SPECIFICATIONS

|                     |                              |
|---------------------|------------------------------|
| Input Voltage       | 100-277V~, 50/60Hz           |
| Output Current      | 25A                          |
| Output Voltage      | 100-277V~, 50/60Hz           |
| Package Dimensions  | 121mm(L) x 43mm(W) x 79mm(H) |
| Ambient Temperature | 32~104°F (0~40°C)            |
| Relative Humidity   | ≤90%RH                       |



## INSTALLATION

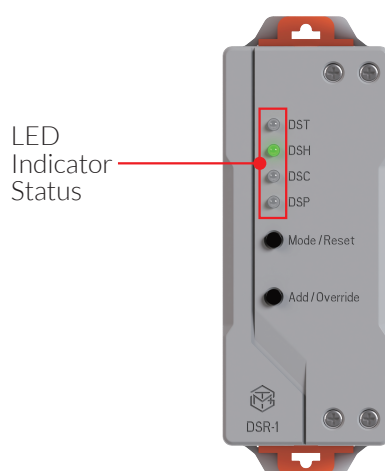


1. Pull the 2 tabs outward to release the bracket from the unit, mount the bracket to the electric control cabinet. Place the unit back on the bracket and press the tabs back in to lock the unit in place.
2. Connect the unit to the power supply.
3. Connect the DSR-1 to the main controller using a RJ-12 cable.
4. Press the [Add/Override] button on the module to address the DSR-1 to the controller.
5. Press the [Mode/Reset] button to select and register the DSR-1 as a temperature (DST), humidity (DSH), CO2 (DSC), or timer (DSP) device module. Hold it for 3 seconds to confirm your configuration.

## OPERATION INSTRUCTIONS

| Name         | Press Duration             | Result                                                                                                                             |
|--------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Mode/Reset   | [Mode] - Quick Press       | Select and register the DSR-1 as a (DST), (DSH), (DSC), or (DSP) module.                                                           |
|              | [Reset] - Hold 3 Seconds   | Reset the DSR-1. Remove its connection from the controller(Except for HCS-2 / NFS-2). [Can also be reset in the controller's menu] |
| Add/Override | [Add] - Quick Press        | Address and Register the DSR-1 to the controller.                                                                                  |
|              | [Override] -Hold 3 Seconds | Manually override the DRS-1, bypass command from the controller and force it to turn ON/OFF for 30 minutes.                        |

## LED INDICATOR STATUS



|                         |                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fast Blinking Green     | Module is not addressed to the main controller, OR module does not have a good connection to the main controller.<br><b>*Note:</b> Press the Add/Override button on the module when first installed. |
| Slow Blinking Green     | Module is addressed and connected to the main controller, in the power off status.                                                                                                                   |
| Solid Green             | Module is addressed and connected to the main controller, in the power on status.                                                                                                                    |
| (DSC) Slow Blinking Red | DSR-1 relay contacts failed to disconnect. Please contact TrolMaster Tech Support for further troubleshooting.                                                                                       |
| (DSP) Slow Blinking Red | Module is overloaded. Reset it by pressing the "Add/Override" button.                                                                                                                                |



**WARNING: DO NOT** allow DSR-1 to be exposed to water or excessive heat, DO NOT open or attempt to repair or disassemble the DSR-1, as there are no user-serviceable parts inside. Opening the DSR-1 will void the warranty.

If the surface of DSR-1 is dirty, wipe it with a dry towel.

The DSR-1 operates under natural ventilation conditions.



**AVERTISSEMENT: N'exposez PAS** le régulateur de zone DSR-1 à de l'eau ou à une chaleur excessive. NE l'ouvrez PAS, NE tentez PAS de le réparer ou de le démonter, car il ne contient aucune pièce réparable par l'utilisateur. Louverture du régulateur entraîne l'annulation de la garantie.

Si la surface du DSR-1 est sale, essuyez-la à l'aide d'un chiffon sec. Le DSR-1 fonctionne sous des conditions de ventilation naturelle.

For any issues or concerns with our products, DO NOT return them to the store. Please contact our tech support department at [support@trolmaster.com](mailto:support@trolmaster.com) or call **877-420-9876**.

October 2025 ©2025 TrolMaster™ All rights reserved.