Smart Relay \textit{Genie}™- \textit{N}x

- \textit{N}x-Comm RS 485 Module

\begin{table}[h]
\centering
\begin{tabular}{|l|l|}
\hline
\textbf{Cat. No.} & \textbf{Description} \\
\hline
G7XDTR4 & 110 - 240 VAC, RS 485 Communication Module \\
G8XDTR4 & 12 - 24 VDC, RS 485 Communication Module \\
\hline
\end{tabular}
\end{table}
**Smart Relay Genie™- NY**

### MOUNTING DIMENSION (mm)

![Mounting Dimension Diagram](image)

**G7DDT10, G7DDT10B, G8DDT10, G8DDT10B, G7DDT10E, G8DDT10E**

**G7XDTR4, G8XDTR4**

### CONNECTION DIAGRAM

![Connection Diagram](image)

### TERMINAL TORQUE & CAPACITY

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Torque Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 3.5</td>
<td>0.54 N.m (6 Lb.in)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AWG</th>
<th>Wire Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x 2.5 mm²</td>
<td>Solid Wire/Stranded</td>
</tr>
<tr>
<td>1 x 24 to 12</td>
<td>12</td>
</tr>
</tbody>
</table>
Smart Relay *Genie™-NX*

**FEATURES**

**Programming:**
Programming can be carried out independently using the keys on the Genie-NX base module with the help of ladder diagram or on a PC, using "G-Soft NX." software.

**LCD Backlighting:**
Backlight of the LCD display is present for a minimum 15 seconds whenever the device is powered ON or a key is pressed on the base module. The backlight can also be configured to be permanently ON or permanently OFF by configuring the "Device Utilities" option in the device menu or by using the G-Soft NX application software.

**Memory Card:**
Genie-NX has a Program Transfer feature, which allows programs to be transferred or copied into another Genie-NX with the help of memory card. This feature enables quick copy of the programs without the use of a laptop or a PC.

**I/O Extensions:**
User can connect a maximum of 3 Extension Modules to the Genie-NX base module & each Extension Module has 8 inputs and 4 outputs, so we can expand up to 48 I/O extensions if necessary via the Genie-NX. Expansions are made in daisy chain fashion.

**Communication Module:**
A module for communication on the Modbus network is available, which is called "NX-Comm "to facilitate communication of the logic relay over a 2 wire half duplex RS 485 link. Modules are powered by 110- 240 VAC or 12- 24 VDC power supplies. The base module can be connected to this communication interface by means of the cable and the communication takes place via the NX-Comm. on the RS 485 link.

**APPLICATIONS**
- HVAC Controls
- Machine Controls involving Motor, Pump and Valve
- Operational Monitoring systems like Access control, Vehicle Control Monitoring, Baggage handling etc.
- Materials handling Equipments, Conveyor systems and Elevators
- Exhaust and Filtering Systems
- Water-treatment plants
- Printing and Packaging Machines
- Ancillary equipments in Textile and Plastic Industry
- Interior and Exterior Lighting Control
- Door, Gate, Shutter, Sun blinds and Awning control
- Irrigation Control Systems
- Automation of Compressors and Pumps for Air Conditioning requirements