

(Also see the IMPLEMENTATION TABLE in the following section)	
Vendor Name: <b>Pextron Controles Eletrônicos Ltda</b>	
Device Name: <b>URS1460-xxC Series Relay</b>	
Review: <b>06</b>	
<b>Highest DNP Level Supported:</b> For Requests: <b>Level 2</b> For Responses: <b>Level 2</b>	<b>Device Function:</b> <input type="checkbox"/> Master <input checked="" type="checkbox"/> <b>Slave</b>
Notable objects, functions, and/or qualifiers supported in addition to the Highest DNP Levels Supported (the complete list is described in the attached table): Binary Inputs (Object 1 var 0, 1, 2) Binary Input Change – All Variations (Object 2 var 0) Binary Input Change without Time (Object 2 var 1) Binary Input Changes with Relative Time (Object 2 var 2) Binary Output – All Variations (Object 10 var 0, 1, 2) Control Block (Object 12 var 1) Binary Counters (Object 20 var 0, 2, 6) Frozen Counter – All Variations (Object 21 var 0, 1, 2) Counter Change Event (Object 22 var 0) Analog Input – All Variations (Object 30 var 0,1, 2, 3, 4) Frozen Analog Input – All Variations (Object 31 var 0, 4) Analog Change Event – All Variations (Object 32 var 0, 4) Analog Output Status – All Variations (Object 40 var 0) Analogue Output Block (Object 41 var 0, 1, 2) Time and Date – All Variations (Object 50 var 0, 1, 2) Time Delay Fine (Object 52 var 2) Class 0 Data (Object 60 var 1) Class 1 Data (Object 60 var 2) Class 2 Data (Object 60 var 3) Class 3 Data (Object 60 var 4) File identifier (Object 70 var 1) Internal Indications (Object 80 var 1)	
Maximum Data Link Frame Size (octets): Transmitted: <b>292</b> Received: <b>292</b>	Maximum Application Fragment Size (octets): Transmitted: <b>3120</b> Received: <b>240</b>
Maximum Data Link Re-tries: <input type="checkbox"/> None <input checked="" type="checkbox"/> <b>Fixed at 10</b> <input type="checkbox"/> Configurable	Maximum Application Layer Re-tries: <input checked="" type="checkbox"/> <b>None</b> <input type="checkbox"/> Configurable
Requires Data Link Layer Confirmation: <input type="checkbox"/> Never <input checked="" type="checkbox"/> Always <input type="checkbox"/> Sometimes <input type="checkbox"/> Configurable	

Tabela 1: DNP3 DEVICE PROFILE DOCUMENT

## DNP3 DEVICE PROFILE

Requires Application Layer Confirmation:				
<input type="checkbox"/> Never <input type="checkbox"/> Always <input checked="" type="checkbox"/> Sometimes <input type="checkbox"/> Configurable				
<b>Timeouts while waiting for:</b>				
Data Link Confirm:	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Fixed at 15s	<input type="checkbox"/> Variable	<input type="checkbox"/> Configurable
Complete Appl. Fragment:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Fixed at __	<input type="checkbox"/> Variable	<input type="checkbox"/> Configurable
Application Confirm:	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Fixed at 15s	<input type="checkbox"/> Variable	<input type="checkbox"/> Configurable
Complete Appl. Response:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Fixed at __	<input type="checkbox"/> Variable	<input type="checkbox"/> Configurable
Others:				
Transmission Delay:	<b>No intentional delay</b>			
Inter-character Timeout:	<b>128ms</b>			
Select / Operate Arm Timeout:	<b>15s</b>			
Binary input change scanning period:	<b>more than 2 times per power system cycle</b>			
Unsolicited response notification delay:	<b>&lt; 100ms</b>			
Unsolicited response retry delay:	<b>10s</b>			
<b>Sends / Executes Control Operations:</b>				
WRITE Binary Outputs	<input type="checkbox"/> Never	<input checked="" type="checkbox"/> Always	<input type="checkbox"/> Sometimes	<input type="checkbox"/> Configurable
SELECT / OPERATE	<input type="checkbox"/> Never	<input checked="" type="checkbox"/> Always	<input type="checkbox"/> Sometimes	<input type="checkbox"/> Configurable
DIRECT OPERATE	<input type="checkbox"/> Never	<input checked="" type="checkbox"/> Always	<input type="checkbox"/> Sometimes	<input type="checkbox"/> Configurable
DIRECT OPERATED – NO ACK	<input type="checkbox"/> Never	<input checked="" type="checkbox"/> Always	<input type="checkbox"/> Sometimes	<input type="checkbox"/> Configurable
Count >1	<input checked="" type="checkbox"/> Never	<input type="checkbox"/> Always	<input type="checkbox"/> Sometimes	<input type="checkbox"/> Configurable
Pulse On	<input type="checkbox"/> Never	<input checked="" type="checkbox"/> Always	<input checked="" type="checkbox"/> Sometimes	<input type="checkbox"/> Configurable
Pulse Off	<input type="checkbox"/> Never	<input checked="" type="checkbox"/> Always	<input checked="" type="checkbox"/> Sometimes	<input type="checkbox"/> Configurable
Latch On	<input type="checkbox"/> Never	<input checked="" type="checkbox"/> Always	<input checked="" type="checkbox"/> Sometimes	<input type="checkbox"/> Configurable
Latch Off	<input type="checkbox"/> Never	<input checked="" type="checkbox"/> Always	<input checked="" type="checkbox"/> Sometimes	<input type="checkbox"/> Configurable
Queue	<input checked="" type="checkbox"/> Never	<input type="checkbox"/> Always	<input type="checkbox"/> Sometimes	<input type="checkbox"/> Configurable
Clear Queue	<input checked="" type="checkbox"/> Never	<input type="checkbox"/> Always	<input type="checkbox"/> Sometimes	<input type="checkbox"/> Configurable

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## DNP3 DEVICE PROFILE

<p>Reports Binary Input Change Events when no specific variation requested:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Never</li> <li><input checked="" type="checkbox"/> Only time-tagged</li> <li><input type="checkbox"/> Only non-time-tagged</li> <li><input checked="" type="checkbox"/> Configurable</li> </ul>	<p>Reports time-tagged Binary Input Change Events when no specific variation requested:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Never</li> <li><input checked="" type="checkbox"/> Binary Input Change With Time</li> <li><input type="checkbox"/> Binary Input Change With Relative Time</li> <li><input type="checkbox"/> Configurable (attach explanation)</li> </ul>
<p>Sends Unsolicited Responses:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Never</li> <li><input checked="" type="checkbox"/> Configurable</li> <li><input type="checkbox"/> Only certain objects</li> <li><input type="checkbox"/> Sometimes (attach explanation)</li> <li><input checked="" type="checkbox"/> ENABLE / DISABLE unsolicited Function codes supported</li> </ul>	<p>Sends Static Data in Unsolicited Responses:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Never</li> <li><input type="checkbox"/> When Device Restarts</li> <li><input type="checkbox"/> When Status Flags Change</li> </ul> <p>No other options are permitted.</p>
<p>Default Counter Object / Variation:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> No Counters Reported</li> <li><input type="checkbox"/> Configurable (attach explanation)</li> <li><input checked="" type="checkbox"/> Default Object: 20 Default Variation: 6</li> <li><input type="checkbox"/> Point-by-point list attached</li> </ul>	<p>Counter Roll Over at:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> No Counters Reported</li> <li><input type="checkbox"/> Configurable (attach explanation)</li> <li><input checked="" type="checkbox"/> 16 Bits (Counter 8)</li> <li><input type="checkbox"/> 32 Bits (Counters 0 to 7, 9)</li> <li><input type="checkbox"/> Other Value: _____</li> <li><input type="checkbox"/> Point-by-point list attached</li> </ul>
<p>Sends Multi-Fragment Responses:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Yes</li> <li><input type="checkbox"/> No</li> </ul>	

**Tabela 1: DNP3 DEVICE PROFILE DOCUMENT**