

(Also see the IMPLEMENTATION TABLE in the following section)	
Vendor Name: Pextron Controles Eletrônicos Ltda	
Device Name: URS1460-8 Series Relay	
Review: 06	
Highest DNP Level Supported: For Requests: Level 2 For Responses: Level 2	Device Function: <input type="checkbox"/> Master <input checked="" type="checkbox"/> Slave
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, 1, 2) 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: 292 Received: 292	Maximum Application Fragment Size (octets): Transmitted: 3120 Received: 240
Maximum Data Link Re-tries: <input type="checkbox"/> None <input checked="" type="checkbox"/> Fixed at 10 <input type="checkbox"/> Configurable	Maximum Application Layer Re-tries: <input checked="" type="checkbox"/> None <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 checked="" type="checkbox"/>	Always	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Sometimes	<input type="checkbox"/>	Configurable	
Timeouts while waiting for:				
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:	No intentional delay			
Inter-character Timeout:	128ms			
Select / Operate Arm Timeout:	15s			
Binary input change scanning period:	more than 2 times per power system cycle			
Unsolicited response notification delay:	< 100ms			
Unsolicited response retry delay:	10s			
Sends / Executes Control Operations:				
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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<p>Reports Binary Input Change Events when no specific variation requested:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Never <input checked="" type="checkbox"/> Only time-tagged <input type="checkbox"/> Only non-time-tagged <input checked="" type="checkbox"/> Configurable 	<p>Reports time-tagged Binary Input Change Events when no specific variation requested:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Never <input checked="" type="checkbox"/> Binary Input Change With Time <input type="checkbox"/> Binary Input Change With Relative Time <input type="checkbox"/> Configurable (attach explanation)
<p>Sends Unsolicited Responses:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Never <input checked="" type="checkbox"/> Configurable <input type="checkbox"/> Only certain objects <input type="checkbox"/> Sometimes (attach explanation) <input checked="" type="checkbox"/> ENABLE / DISABLE unsolicited Function codes supported 	<p>Sends Static Data in Unsolicited Responses:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Never <input type="checkbox"/> When Device Restarts <input type="checkbox"/> When Status Flags Change <p>No other options are permitted.</p>
<p>Default Counter Object / Variation:</p> <ul style="list-style-type: none"> <input type="checkbox"/> No Counters Reported <input type="checkbox"/> Configurable (attach explanation) <input checked="" type="checkbox"/> Default Object: 20 Default Variation: 6 <input type="checkbox"/> Point-by-point list attached 	<p>Counter Roll Over at:</p> <ul style="list-style-type: none"> <input type="checkbox"/> No Counters Reported <input type="checkbox"/> Configurable (attach explanation) <input checked="" type="checkbox"/> 16 Bits (Counter 8) <input type="checkbox"/> 32 Bits (Counters 0 to 7, 9) <input type="checkbox"/> Other Value: _____ <input type="checkbox"/> Point-by-point list attached
<p>Sends Multi-Fragment Responses:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 	

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