

DNP3.0 DEVICE PROFILE (Sheet 1 of 3)

(Also see the IMPLEMENTATION TABLE in the following section)	
Vendor Name: Pextron Controles Eletrônicos Ltda	
Device Name: Simotemp Relay	
Review: 01	
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 00,01,02) Binary Input Change – All Variations (Object 2 var 00) Binary Input Change without Time (Object 2 var 01) Binary Input Changes (Object 2 var 02) Binary Input Change with Relative Time (Object 2 var 03) Binary Output – All Variations (Object 10 var 00,02) Control Block (Object 12 var 01) Binary Counters (Object 20 var 00,01,02,03,04,05,06,07) Frozen Counter – All Variations (Object 21 var 00,01,02,09,10) Analog Input – All Variations (Object 30 var 00,01,02,03,04) Analog Input with Flag (Object 31 var 02) Frozen Analog Input with Time of Freeze and Flag (Object 31 var 04) Analog Input without Flag (Object 31 var 06) Analog Change Event – All Variations (Object 32 var 00,01,02,03,04) Analog Output Status – All Variations (Object 40 var 00,01,02) Analogue Output Block (Object 41 var 02) Time and Date – All Variations (Object 50 var 01) Time Delay Fine (Object 52 var 00) Class 0 Data (Object 60 var 01) Class 1 Data (Object 60 var 02) Class 2 Data (Object 60 var 03) Class 3 Data (Object 60 var 04) File Transfer (Object 70 var 01) 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(a): DNP3.0 DEVICE PROFILE DOCUMENT

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Requires Application Layer Confirmation:				
<input type="checkbox"/>	Never	<input checked="" type="checkbox"/>	Always	<input type="checkbox"/>
<input type="checkbox"/>	Always	<input checked="" type="checkbox"/>	Sometimes	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Sometimes	<input type="checkbox"/>	Configurable	<input type="checkbox"/>
<input type="checkbox"/>	Configurable	<input type="checkbox"/>		<input type="checkbox"/>
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:	10s			
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

Tabela 1(b): DNP3.0 DEVICE PROFILE DOCUMENT

DNPV3.0 DEVICE PROFILE (Sheet 3 of 3)

Reports Binary Input Change Events when no specific variation requested: <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 	Reports time-tagged Binary Input Change Events when no specific variation requested: <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)
Sends Unsolicited Responses: <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 	Sends Static Data in Unsolicited Responses: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Never <input type="checkbox"/> When Device Restarts <input type="checkbox"/> When Status Flags Change No other options are permitted.
Default Counter Object / Variation: <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 	Counter Roll Over at: <ul style="list-style-type: none"> <input type="checkbox"/> No Counters Reported <input type="checkbox"/> Configurable (attach explanation) <input type="checkbox"/> 16 Bits (Counter 8) 32 Bits (Counters 0 to 7, 9) <input checked="" type="checkbox"/> Other Value: 99.999.999 <input type="checkbox"/> Point-by-point list attached
Sends Multi-Fragment Responses: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 	

Tabela 1(c): DNP3.0 DEVICE PROFILE DOCUMENT