(Also see the IMPLEMENTATION TABLE in the following section)

Vendor Name: **Pextron Controles Eletrônicos Ltda**

Device Name: **UCPT 3 Relay**

Review: **01**

Highest DNP Level Supported:	Device Function:
For Requests: **Level 2**	☐ Master
For Responses: **Level 2**	☒ **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):	Maximum Application Fragment Size (octets):
Transmitted: **292**	Transmitted: **3120**
Received: **292**	Received: **240**

Maximum Data Link Re-tries:	Maximum Application Layer Re-tries:
☐ None	☒ **None**
☒ **Fixed at 10**	☐ Configurable
☐ Configurable	

Requires Data Link Layer Confirmation:

☐ Never

☒ Always

☐ Sometimes

☐ Configurable

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

Requires Application Layer Confirmation:

- ☐ Never
- ☐ Always
- ☒ Sometimes
- ☐ Configurable

Timeouts while waiting for:

Data Link Confirm:	☐	None	☒	Fixed at 15s	☐	Variable	☐ Configurable
Complete Appl. Fragment:	☒	None	☐	Fixed at __	☐	Variable	☐ Configurable
Application Confirm:	☐	None	☒	Fixed at 15s	☐	Variable	☐ Configurable
Complete Appl. Response:	☒	None	☐	Fixed at __	☐	Variable	☐ 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	☐ Never	☒	Always	☐	Sometimes	☐	Configurable
SELECT / OPERATE	☐ Never	☒	Always	☐	Sometimes	☐	Configurable
DIRECT OPERATE	☐ Never	☒	Always	☐	Sometimes	☐	Configurable
DIRECT OPERATED – NO ACK	☐ Never	☒	Always	☐	Sometimes	☐	Configurable
Count >1	☒ Never	☐	Always	☐	Sometimes	☐	Configurable
Pulse On	☐ Never	☒	Always	☒	Sometimes	☐	Configurable
Pulse Off	☐ Never	☒	Always	☒	Sometimes	☐	Configurable
Latch On	☐ Never	☒	Always	☒	Sometimes	☐	Configurable
Latch Off	☐ Never	☒	Always	☒	Sometimes	☐	Configurable
Queue	☒ Never	☐	Always	☐	Sometimes	☐	Configurable
Clear Queue	☒ Never	☐	Always	☐	Sometimes	☐	Configurable

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

Reports Binary Input Change Events when no specific variation requested:	Reports time-tagged Binary Input Change Events when no specific variation requested:
☐ Never	☒ Never
☒ Only time-tagged	☒ Binary Input Change With Time
☐ Only non-time-tagged	☐ Binary Input Change With Relative Time
☒ Configurable	☐ Configurable (attach explanation)
Sends Unsolicited Responses:	**Sends Static Data in Unsolicited Responses:**
☐ Never	☒ Never
☒ Configurable	☐ When Device Restarts
☐ Only certain objects	☐ When Status Flags Change
☐ Sometimes (attach explanation)	No other options are permited.
☒ ENABLE / DISABLE unsolicited Function codes supported	
Default Counter Object / Variation:	**Counter Roll Over at:**
☐ No Counters Reported	☐ No Counters Reported
☐ Configurable (attach explanation)	☐ Configurable (attach explanation)
☒ Default Object: 20	☐ 16 Bits (Counter 8)
Default Variation: 6	32 Bits (Counters 0 to 7, 9)
☐ Point-by-point list attached	☒ Other Value: 99.999.999
	☐ Point-by-point list attached
Sends Multi-Fragment Responses:	
☒ Yes	
☐ No	

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