Hi Ger

I managed to spend 3.5 hours working on the Smartbasic dongle code this morning. I've successfully added support to the dongle code so it will now read the following from the Device Information Service running on the TriTemp Thermometer

DIS\_MODEL\_NUMBER, DIS\_SERIAL\_NUMBER, DIS\_FIRMWARE\_REVISION, DIS\_HARDWARE\_REVISION and DIS\_MANUFACTURER\_NAME (see output below).

The values for these strings are only being displayed as hex values at the moment but it's a fairly simple exercise to change this so they are output as recognisable text strings. All that remains to be done now is to populate the respective fields in the TriTemp Device Information Service (the current values displayed below are defaults that are hard coded in our firmware) and clean up the smartbasic dongle output. The Device Information is only read once (at connection and/or

re-connection) and then stored in string variables in the dongle code.

I've attached the latest version of the dongle code so you can try it over the coming week.

I'm also including updates hours worked

14/02/22 to 20/02/22 12.25 hours

Cumulative hours 01/02/22 to 20/02/22 23.00 hours.

BR

Des

- Disconnected

-- Scanning

EVBLE\_ADV\_REPORT

Peer Address: 000080E126815B

Advert Data: 0DFF0100000020000000000000000201060609485453544D03020918020A00

No. Discarded Adverts: 0

RSSI: -80

Connecting...

EVBLEMSG :

- Connected, so scan remote Gatt Table for DIS(0x180A) service EVDISCPRIMSVC : cHndl=327424 svcUuid=FE01180A sHndl=12 eHndl=22 Scanning for characteristics in Hndl=327424 sHndl=12 eHndl=22 EVDISCCHAR : cHndl=327424 chUuid=FE012A29 Props=2 valHndl=14 ISvcUuid=0 EVATTRREAD cHndl=327424 attrHndl=14 status=00000000 Attribute read OK Data = 53544D00 Offset= 0 Len=4 handle = 14 EVDISCCHAR : cHndl=327424 chUuid=FE012A24 Props=2 valHndl=16 ISvcUuid=0 EVATTRREAD cHndl=327424 attrHndl=16 status=00000000 Attribute read OK Data = 343530322D312E3000 Offset= 0 Len=9 handle = 16 EVDISCCHAR : cHndl=327424 chUuid=FE012A25 Props=2 valHndl=18 ISvcUuid=0 EVATTRREAD cHndl=327424 attrHndl=18 status=00000000 Attribute read OK Data = 312E3000 Offset= 0 Len=4 handle = 18 EVDISCCHAR : cHndl=327424 chUuid=FE012A27 Props=2 valHndl=20 ISvcUuid=0 EVATTRREAD cHndl=327424 attrHndl=20 status=00000000 Attribute read OK Data = 312E3000 Offset= 0 Len=4 handle = 20 EVDISCCHAR : cHndl=327424 chUuid=FE012A26 Props=2 valHndl=22 ISvcUuid=0 EVATTRREAD cHndl=327424 attrHndl=22 status=00000000 Attribute read OK Data = 312E3000 Offset= 0 Len=4 handle = 22 EVDISCCHAR : cHndl=327424 chUuid=00000000 Props=0 valHndl=0 ISvcUuid=0 Characteristic Scan complete

- Connected, so scan remote Gatt Table for HTS(0x1809) service EVDISCPRIMSVC : cHndl=327424 svcUuid=FE011809 sHndl=23 eHndl=30 Scanning for characteristics in Hndl=327424 sHndl=23 eHndl=30 EVDISCCHAR : cHndl=327424 chUuid=FE012A1C Props=32 valHndl=25 ISvcUuid=0 Found characteristic service at handle 25 Scan for ALL Descs in Characteristic UUID: FE012A1C EVDISCDESC cHndl=327424 dscUuid=FE012902 dscHndl=26 Found CCCD at handle 26 Enable CCCD 26 cHndl 327424 EVATTRWRITE Enabled Indications EVATTRNOTIFY Event

BleGattcNotifyRead() Connection Handle=327424 Characteristic Handle=25

Length=24 Data=02FD0100FFD0070101031826 Discarded=0

temperature[CELCIUS]=50.900 @ 3:24:38 1/1/2000 EVATTRNOTIFY Event

BleGattcNotifyRead() Connection Handle=327424 Characteristic Handle=25

Length=24 Data=02FB0100FFD007010103182E Discarded=0

temperature[CELCIUS]=50.700 @ 3:24:46 1/1/2000 EVATTRNOTIFY Event

BleGattcNotifyRead() Connection Handle=327424 Characteristic Handle=25

Length=24 Data=02F90100FFD0070101031832 Discarded=0

temperature[CELCIUS]=50.500 @ 3:24:50 1/1/2000 EVATTRNOTIFY Event

BleGattcNotifyRead() Connection Handle=327424 Characteristic Handle=25

Length=24 Data=026B0200FFD0070101031837 Discarded=0

temperature[CELCIUS]=61.900 @ 3:24:55 1/1/2000