Request A: 2F 3F 12 Bytes Address 30 30 21 0D 0A

Return: 02 2 Byte Meter Type 1 Byte Meter Firmware 12 Bytes Address 8 Bytes total Active kWh 8 Bytes Total kVARh 8 Bytes Total Rev.kWh 24 Bytes 3 phase kWh 24 Bytes 3 phase Rev.kWh 8 Bytes Resettable kWh 8 bytes Resettable Reverse kWh 4 Bytes Volts L1 4 Bytes Volts L2 4 Bytes Volts L3 5 Bytes Amps L1 5 Bytes Amps L2 5 Bytes Amps L3 7 Bytes Watts L1 7 Bytes Watts L2 7 Bytes Watts L3 7 Bytes Watts Total 4 Bytes CosΘ L1 4 Bytes CosΘ L2 4 Bytes CosΘ L3 7 Bytes VAR L1 7 Bytes VAR L2 7 Bytes VAR L3 7 Bytes VAR Total 4 Bytes Freq 8 Bytes Pulse Count 1 8 Bytes Pulse Count 2 8 Bytes Pulse Count 3 1 Byte Pulse Input Hi/Lo 1Bytes direction of current 1Byte Outputs On/Off **1 Byte kWh Data Decimal Places** 2 Bytes Reserved 14 Bytes Current Time 30 30 21 0D 0A 03 2 Bytes CRC16 (255 Bytes total)

Request B: 2F 3F 12 Bytes Address 30 31 21 0D 0A

Return: 02 2 Byte Meter Type 1 Byte Meter Firmware 12 Bytes Address 32 Bytes T1, T2, T3, T4 kwh 32 Bytes T1, T2, T3, T4 Rev kWh 4 Bytes Volts L1 4 Bytes Volts L2 4 Bytes Volts L3 5 Bytes Amps L1 5 Bytes Amps L2 5 Bytes Amps L3 7 Bytes Watts L1 7 Bytes Watts L2 7 Bytes Watts L3 7 Bytes Watts Total 4 Bytes CosΘ L1 4 Bytes CosΘ L2 4 Bytes CosΘ L3 8 Bytes Maximum Demand 1 Byte Maximum Demand Time 4 Bytes Pulse Ratio 1 4 Bytes Pulse Ratio 2 4 Bytes Pulse Ratio 3 4 Bytes CT Ratio 1Bytes Auto Reset MD 4 Bytes Settable Imp/kWh Constant 56 Bytes Reserved 14 Bytes Current Time 30 31 21 0D 0A 03 2 Bytes CRC16 (255 Bytes total)

Request Data1

2F 3F 30 30 30 30 30 30 30 30 30 30 30 30 30 30 21 0D 0A

Request Data 2

2F 3F 30 30 30 30 30 30 30 30 30 30 30 30 30 31 21 0D 0A

Password,

01 50 31 02 28 30 30 30 30 30 30 30 30 29 03 32 44

Read last month total kwh

01 52 31 02 **30 30 31 31** 03 13 16

Read last month reverse kwh

01 52 31 02 **30 30 31 32** 03 13 52

Read history record of three pulse inputs

01 52 31 02 **30 30 31 33** 03 12 2e

Read 4periods and time table

01 52 31 02 **30 30 37 30** 03 1a 6a

Read later 4periods and time table

01 52 31 02 **30 30 37 31** 03 1b 16

Read Holidays and Holiday periods

01 52 31 02 **30 30 42 30** 03 17 21

Set period table1

01 57 31 02 **30 30 37 30** 28 30 33 30 30 30 31 30 34 30 30 30 32 30 37 30 30 30 33 31 31 30 30 30 34 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 29 03 51 2a

Set period table2

01 57 31 02 **30 30 37 31** 28 30 33 30 30 30 31 30 34 30 30 30 32 30 37 30 30 30 33 31 31 30 30 30 34 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 29 03 5D 33

Set period table3

01 57 31 02 **30 30 37 32** 28 30 33 30 30 30 31 30 34 30 30 30 32 30 37 30 30 30 33 31 31 30 30 30 34 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 29 03 4A 59

Set period table4

01 57 31 02 **30 30 37 33** 28 30 33 30 30 30 31 30 34 30 30 30 32 30 37 30 30 30 33 31 31 30 30 30 34 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 29 03 46 40

Set period table5

01 57 31 02 **30 30 37 34** 28 30 33 30 30 30 31 30 34 30 30 30 32 30 37 30 30 30 33 31 31 30 30 30 34 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 29 03 67 4C

Set period table6

01 57 31 02 **30 30 37 35** 28 30 33 30 30 30 31 30 34 30 30 30 32 30 37 30 30 30 33 31 31 30 30 30 34 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 29 03 6B 55

Set period table7

01 57 31 02 **30 30 37 36** 28 30 33 30 30 30 31 30 34 30 30 30 32 30 37 30 30 30 33 31 31 30 30 30 34 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 29 03 7C 3F

Set period table8

01 57 31 02 **30 30 37 37** 28 30 33 30 30 30 31 30 34 30 30 30 32 30 37 30 30 30 33 31 31 30 30 30 34 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 29 03 70 26

Set time table

01 57 31 02 **30 30 38 30** 28 30 31 30 31 30 31 30 34 30 31 30 32 30 37 30 31 30 33 31 30 30 31 30 34 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 29 03 1c 34

Set Holiday

01 57 31 02 **30 30 42 30** 28 30 33 30 32 30 35 30 35 30 29 03 70 76

Set weekend period

01 57 31 02 **30 30 43 30** 28 30 31 30 31 29 03 4f 10

The relay Control(Permanently close)

01 57 31 02 **30 30 38 31** 28 30 30 30 30 30 29 03 21 21

01 57 31 02 **30 30 38 32** 28 30 30 30 30 30 29 03 35 51

(Permanently open)

01 57 31 02 **30 30 38 31** 28 31 30 30 30 30 29 03 31 61

01 57 31 02 **30 30 38 32** 28 31 30 30 30 30 29 03 25 11

Set Pulse Input 1 Constant，Set constant 1000

01 57 31 02 **30 30 41 30** 28 31 30 30 30 29 03 3b 21

Set Pulse Input 2 constant

01 57 31 02 **30 30 41 31** 28 31 30 30 30 29 03 7a 6d

Set Pulse Input 3 constant

01 57 31 02 **30 30 41 32** 28 31 30 30 30 29 03 3a 78

Set Meter Address

01 57 31 02 **30 30 31 30** 28 30 30 30 30 30 30 30 30 30 30 30 30 29 03 61 09

Set Meter password

01 57 31 02 **30 30 32 30** 28 30 30 30 30 30 30 30 30 29 03 60 0b

Clear Demand

01 57 31 02 **30 30 34 30** 28 30 30 30 30 30 30 29 03 01 2b

Set Time

01 57 31 02 **30 30 36 30** 28 31 32 30 36 32 32 30 36 31 35 33 35 32 32 29 03 7f 4f

Set Baud rate 1200

01 57 31 02 **30 30 44 31** 28 30 32 29 03 4d 57 "

Set selected LCD display items. Example: Show display item 1, 2, 25

01 57 31 02 **30 30 44 32** 28 30 31 30 32 32 35 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 3 030 30 30 30 30 30 30 30 29 03 CRC16

Zero for resettable kwh

01 57 31 02 **30 30 44 33** 28 29 03 0f 75

Set Imp/kWh Constant. Example: Settable impulse constant to 20 Imp/kWh

01 57 31 02 **30 30 44 34** 28 30 30 32 30 29 03 05 6b

Auto Reset Maximum Demand

No Reset: 01 57 31 02 **30 30 44 35** 28 30 29 03 33 22

Monthly Reset: 01 57 31 02 **30 30 44 35** 28 31 29 03 62 62

Weekly Reset: 01 57 31 02 **30 30 44 35** 28 32 29 03 CRC16

Daily Reset: 01 57 31 02 **30 30 44 35** 28 33 29 03 CRC16

Hourly Reset: 01 57 31 02 **30 30 44 35** 28 34 29 03 CRC16

****CRC16 (2 Bytes) is calculated on the second character through the third from last character (03)