

# AFCI/AFDD WIFI\_GPRS PROTOCOL

| Data Type | Data function             | Name       | Example            |
|-----------|---------------------------|------------|--------------------|
| Byte0     | Head code                 | head       | 100                |
| Byte1     | send order                | order      | 2                  |
| Byte2-3   | current voltage           | V          | 230=230V           |
| Byte4-5   | Current                   | I          | 46=4.6A            |
| Byte6-7   | Power                     | P          | 234=23.4KWH        |
| Byte8-9   | Days                      | D          | 213=213days        |
| Byte10    | Leakage current           | LK         | 5=5mA              |
| Byte11    | Power Factor              | PF         | 9=0.9              |
| Byte12    | ON/OFF                    | SWITCH     | 1=ON 0=OFF         |
| Byte13    | fault stuation            | Fault_bit  | 0b00000001         |
| Byte14    | Leakage set value         | LK_SET     | 30=30mA            |
| Byte15    | rate of Current set vlaue | RC_SET     | 32=32A             |
| Byte16-17 | Under voltage set         | UV_SET     | 180=180V           |
| Byte18-19 | Over voltage set          | OV_SET     | 250=250V           |
| Byte20    | Trip select bit           | Trip_bit   | 0b11111111         |
|           |                           |            | 20H=               |
| Byte21    | learn_flag                | LR_F       | 1=learn,0=no learn |
| Byte22    | carretn_offset            | OFFSET     | 80-120             |
| Byte23    | wave style1               | AS_R       | 21=21              |
| Byte24    | wave style12              | PK_R       | 10=10              |
| Byte25    | learn wave code1          | LR_1       | 1                  |
| Byte26    | learn wave code2          | LR_2       | 2                  |
| Byte27    | learn wave code3          | LR_3       | 3                  |
| Byte28    | learn wave code4          | LR_4       | 4                  |
| Byte29    | volt offset value         |            | 80-120             |
| Byte30    | x_value                   |            | 0-3                |
| Byte31    | arc code                  | ARC_CODE   | 12                 |
| Byte32    | TEMPERATURE               | temperture | 25                 |
| Byte33-38 | MAC address               | MAC[6]     | MAC_ADDR           |
| Byte39-53 | dummy                     |            |                    |
| Byte54-55 | Years                     | Y          | 2018               |
| Byte56    | Month                     | MON        | 5                  |
| Byte57    | Days                      | DS         | 31                 |
| Byte58    | Hours                     | H          | 17                 |
| Byte59    | Minutes                   | M          | 32                 |
| Byte60    | Seconds                   | S          | 12                 |

|           |          |    |   |
|-----------|----------|----|---|
| Byte61    | week day | WD | 3 |
| Byte62-63 |          |    |   |

# AL

## Explain

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| IC, Leakage, 4=U |  |
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$$=SC,40H=OT,80H$$

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| sensitive adj | value |
| 1             | 1     |

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| last time arc code |
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