

Ref: FAQ-0065

Version: 1.0

Title – Hydreka Transmitter 'C2'

Made By: KE\_161014 (Issue 1)

## **Question** –

How do you decode the data packet from a Hydreka Type C2 transmitter

Answer –				
The data packet can be decoded as follows;				
20120921133417C21F0248A80102CF80000000F00000100000000000000000000000				
20120921 133417 C2 1F 02	Date (yyyymmdd) Time (hhmmss) Transmitter type No. of bytes following (excluding CRC) Firmware revision			
48	<pre>Status flags: Bit 7: Low battery Bit 6: Tamper active Bit 5: Reed switch active Bit 4: Reverse flow Bit 3: Contact closed Bit 2: Not used Bit 1: Not used Bit 0: Not used</pre>			
A8	High nibble: RSSI (signal strength) Low nibble: Incrementing message counter			
01 02CF80 000000F 000001 0000 0003 0000 0000 000	Customer code Address (3 bytes, high byte 1st) Forward pulse count (4 bytes, high byte 1st) Reverse pulse count (3 bytes, high byte 1st) Min. forward flow per 15min (2 bytes, high byte 1st) Max. back flow per 15min (2 bytes, high byte 1st) Max. forward flow per 15min (2 bytes, high byte 1st) No. of pulses between hr = 0 & hr = 1 (2 bytes, high byte 1st) No. of pulses between hr = 1 & hr = 2 (2 bytes, high byte 1st) No. of pulses between hr = 2 & hr = 3 (2 bytes, high byte 1st) No. of pulses between hr = 3 & hr = 4 (2 bytes, high byte 1st) No. of pulses between hr = 4 & hr = 5 (2 bytes, high byte 1st) No. of times direction changed CRC (2 bytes, low byte 1st)			

Document History:

Edition	Date of Issue	Modification	Notes
1st			

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