

[DCM5] Pulse Installation Reference V1.0

ICT - FAE 22nd March, 2021

Revision History

Version	Date(YYYY/MM/DD)	Comments
1.0	2021/03/22	First edition.

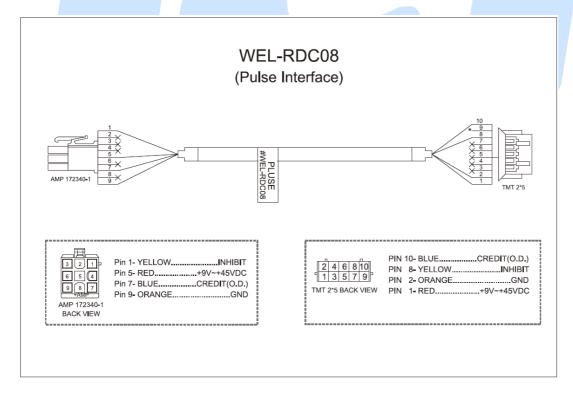
■ The Setting of DIP Switch.

Set dip switchI~4 OFF \ ON \ ON \ ON

DIP SW							
Function	SW1	SW2	SW3	SW4			
MDB	OFF	OFF					
Pulse(Age Limit 16 years)	ON	OFF					
Pulse(Age Limit 18 years)	OFF	ON					
RS232	ON	ON					
Communication after Swiping Card: (under MDB protocol)			OFF				
keep Communication			ON				
Sleep Mode (Outdoor)				OFF			
Normal Mode (Indoor)				ON			

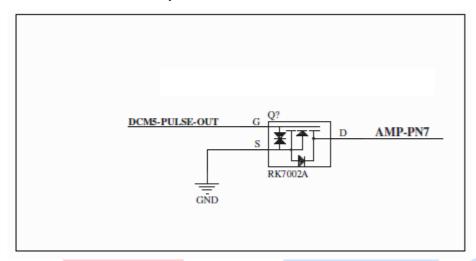
■ The cable for Pulse interface.

- The connector "AMP172340-1" is for controller side.
- The connector "TMT 2*5" is for DCM5 side.

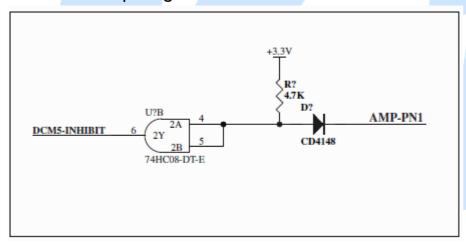


■ The internal Circuit of Pulse interface.

- The pin of pulse credit (O.D.)
- This output signal is that DCM5 sends the pulse to the host/controller while it receives the permissible card.



- The pin of Inhibit
- This input signal is that the host/controller commands DCM5 to stop working.

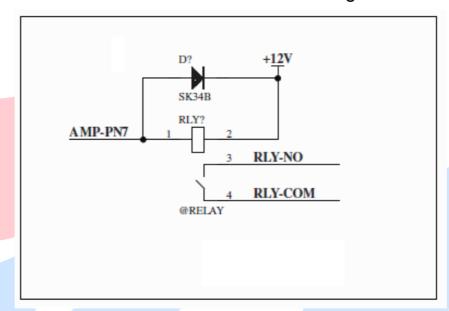


■ The example Circuit that DCM5 connects to the Relay directly.

The circuit is provided for connecting the pin of pulse credit (O.D.)

- The current from VCC (12V) to AMP-PN7(pulse credit) must lower than 60mA.
- It needs connect a diode (e.g., I N4007) between AMP-PN7 (pulse credit) and VCC(12V).

Otherwise the internal circuit of DCM5 will be damaged.

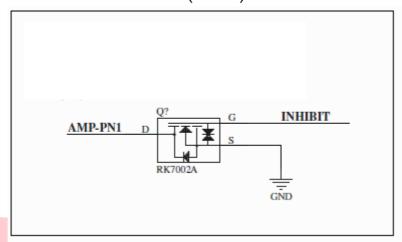


Normally the relay's specification (see the table below) includes the information about nominal current.

CDIL TYPE	Coil Nominal Voltage (V)	Coil Resistance ($\Omega \pm 10\%$)	Pick-Up Voltage (V) ≪	Drop-Out Voltage (V) ≥	Nominal Current (mA)
CEM M	3	12.5	2.1	0.3	240
	501.00	36	3.5	0.5	138.9
	6	50	4.2	0.6	120
DC	9	115	6.3	0.9	78.3
Standard Coils	12	200	8.4	1.2	60
Standard Colls	24	820	16.8	2.4	29.3
	48	3300	33.6	4.8	14.5
	100/110	14144	70	10	7
DC	3	17	2.25	0.3	176.5
	5	47	3.75	0.5	106.4
	6	68	4.5	0.6	88
DOX.CO. MITY	9	155	6.75	0.9	58
High Sensitive	12	270	9	1.2	44.4
Coils	24	1100	18	2.4	21.8
V. TO. ONV. COM	48	4400	36	4.8	10.9
W.Inc. COM	100/110	18860	75	10	5.3
VVI.TOO CO.	6	16.5	4.8	1.8	CONTRACTI
W.W. Con. Co	12	63	9.6	3.6	L.COM.
AC	24	250	19.2	7.2	N.CO
	110/120	5600	88	33	WY.COM.
	220/240	22000	176	66	on TCOM
N. W. 100,	.COM.TH	1.10:2	gr. COW'I'	100	COn M

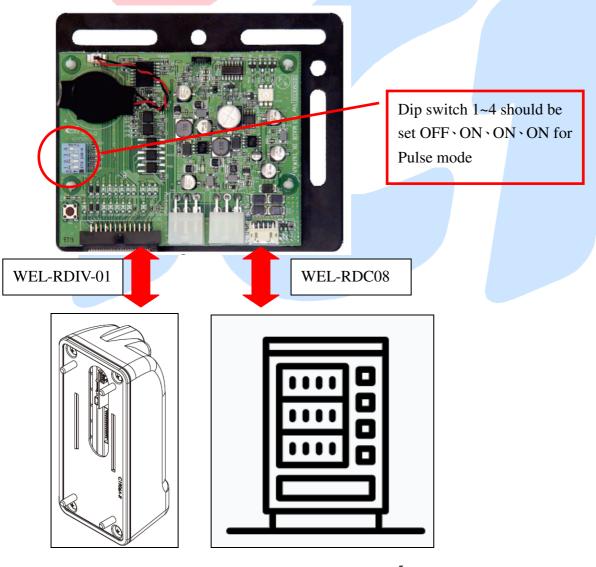
International Currency Technologies Corp.

If the system needs the function that DCM5 stops working, the Host/Controller needs the switch circuit to achieve that the AMP-PN1 (Inhibit) reaches to GND.



The Connection between DCM5 and controller via pulse interface.

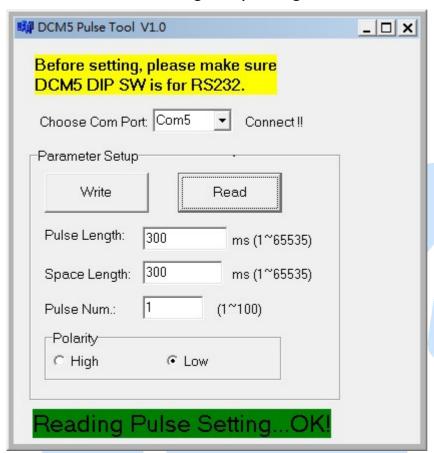
The current from Pin of host/Controller to AMP-PN7 (pulse credit) must lower than 60mA. Otherwise the internal circuit of DCM5 will be damaged.



[Model] Title X.X

The setting of pulse parameter

- We have the PC tool which can modify the setting of parameter in pulse interface.
- The detail operation is provided in the document "DCM5 pulse setting SOP" for reference.
- The exact setting is depending on the client's request.



- Pulse Length: the width of Pulse.
- > Space Length: the interval time between two pulses.
- > Pulse Num: DCM5 should send how many pulses after the card is permitted.
- Polarity: The pin of pulse credit should keep normal High or normal Low(Here we suggest that DCM5 works in normal High.)

 $Low \rightarrow Normal High (default setting/ Recommendation)$

High → Normal Low