01. Unified Short Code

Manufacturer should follow bellow short code

<table>
<tr><th>Short code</th><th>Data meaning</th><th>Short code</th><th>Data meaning</th></tr>
<tr><td>Any code</td><td>Cancel audible alarm</td><td>00</td><td>Active/Start Emergency Credit</td></tr>
<tr><td>800</td><td>Total active energy (kWh) [|A| + |-A|]</td><td>801</td><td>Meter remaining balance</td></tr>
<tr><td>802</td><td>Current date</td><td>803</td><td>Current time</td></tr>
<tr><td>804</td><td>Meter serial No.</td><td>805</td><td>SGC No.</td></tr>
<tr><td>806</td><td>
<table>
<tr><td>Relay Connected</td><td>rELAYCon</td></tr>
<tr><td>Terminal cover open</td><td>t-CovEr</td></tr>
<tr><td>Meter cover open</td><td>m-CovEr</td></tr>
<tr><td>Open battery</td><td>bAt-oPEn</td></tr>
<tr><td>Open module</td><td>Cm-oPEn</td></tr>
<tr><td>Magnetic Influence</td><td>mAgnEt</td></tr>
<tr><td>Over Temperature</td><td>ovErtEmP</td></tr>
<tr><td>Bypass</td><td>bYPASS</td></tr>
<tr><td>Overload</td><td>ovErLoAd</td></tr>
<tr><td>Over Voltage</td><td>ovErvoLt</td></tr>
<tr><td>Over Current</td><td>ovErCurr</td></tr>
<tr><td>Under Voltage</td><td>undEr-v</td></tr>
<tr><td>Battery Low</td><td>bAt-Lo</td></tr>
</table>
</td><td>806</td><td>
<table>
<tr><td>Remote relay open</td><td>r-oPen</td></tr>
<tr><td>Remote relay close</td><td>r-CloSE</td></tr>
<tr><td>Neutral Missing (3P)</td><td>n-LoS</td></tr>
<tr><td>Factor mode relay open</td><td>FACtORY</td></tr>
<tr><td>Power down relay open</td><td>d-oPEn</td></tr>
<tr><td>No credit relay open</td><td>noCrEdit</td></tr>
<tr><td>Relay Testing open</td><td>tEStoPEn</td></tr>
<tr><td>Low Battery (Discharge/Damage)</td><td>bAt-Lo</td></tr>
<tr><td>RAM/ROM Hardware Error</td><td>Err-Hw</td></tr>
<tr><td>Low Power Factor</td><td>Lo-PF</td></tr>
<tr><td>One or Two Phase Missing (3P)</td><td>P-LoS</td></tr>
</table>
The bold marked reasons are only tamper cases. Other reasons are not tamper just relay trip.
</td></tr>
<tr><td>807</td><td>Pre-Paid Meter mode status
FAC-St / no-run / FACtORY - Factory Mode
tESt –St - Test Mode
UUork-St - Work Mode</td><td></td><td></td></tr>
<tr><td>808</td><td>Total instantaneous power (kW) [|A| + |-A|]</td><td>809</td><td>Tariff index number/ Current Tariff</td></tr>
<tr><td>810</td><td>Emergency Credit Limit/Threshold</td><td>811</td><td>Active/Start Emergency Credit same as 00</td></tr>
<tr><td>813</td><td>Total active energy for yesterday [|A| + |-A|]</td><td>814</td><td>Total active energy/Consumption unit (kWh) for current month [|A| + |-A|]</td></tr>
<tr><td>815</td><td>Recharge date for last time</td><td>816</td><td>Recharge time for last time</td></tr>
<tr><td>817</td><td>Recharge amount for last time</td><td>818</td><td>Log off return code</td></tr>
<tr><td>819</td><td>Power outage No</td><td>820</td><td>Total active energy for last month [|A| + |-A|]</td></tr>
<tr><td>821</td><td>Total active energy for last 2nd Month [|A| + |-A|]</td><td>822</td><td>Total active energy for last 3rd month [|A| + |-A|]</td></tr>
<tr><td>823</td><td>Total active energy for last 4th Month [|A| + |-A|]</td><td>824</td><td>Total active energy for last 5th month [|A| + |-A|]</td></tr>
<tr><td>825</td><td>Total active energy for last 6th Month [|A| + |-A|]</td><td>830</td><td>TOKEN code for last time</td></tr>
<tr><td>831</td><td>TOKEN codes for last 2nd time</td><td>832</td><td>TOKEN codes for last 3rd time</td></tr>
<tr><td>833</td><td>TOKEN codes for last 4th time</td><td>834</td><td>TOKEN codes for last 5th time</td></tr>
<tr><td>835</td><td>TOKEN codes for last 6th time</td><td>836</td><td>TOKEN codes for last 7th time</td></tr>
<tr><td>837</td><td>TOKEN codes for last 8th time</td><td>838</td><td>TOKEN codes for last 9th time</td></tr>
<tr><td>839</td><td>TOKEN codes for last 10th time</td><td>865</td><td>Meter entering normal working moee/Factory mode to active mode</td></tr>
<tr><td>866</td><td>Measuring accuracy displays 3 decimals, automatically exit after 1 minute</td><td>868</td><td>Relay testing</td></tr>
<tr><td>869</td><td>Maximum power Load Limit</td><td>870</td><td>A phase voltage</td></tr>
<tr><td>871</td><td>B phase voltage not support in single phase meter</td><td>872</td><td>C phase voltage not support in single phase meter</td></tr>
</table>

873	Key version No.	874	A phase current
875	B phase current not support in single phase meter/ Neutral Current For Single Phase	876	C phase current not support in single phase meter
877	A phase power [|A| + |-A|]	878	B phase power not support in single phase meter [|A| + |-A|]
879	C phase power not support in single phase meter [|A| + |-A|]	880	Average value for daily power consumption [|A| + |-A|]
881	Average value for monthly power consumption [|A| + |-A|]	886	The price of current Tariff
887	Current step tariff	888	Recharging return code
889	Current TOKEN sequence No.	890	TOKEN rejected times
891	TOKEN accepted times	892	Relay connection times
893	Relay disconnection times	894	Max. overdraft amount under friendly & weekend mode [No Need]
895	Allowed using days under friendly mode	896	Already used days under friendly mode
897	Start time of friendly hour	898	End time of friendly hour
899	Weekend	900	The status of friendly mode
	Start from Sunday to Saturday 1 = Working Day 0 = Weekend Day Within few second If we press Enter Button then Display will show the Weekend only as bellow: SUn mon tuuES uuEdnEs tHUs Fri		1：uuworkday: No-friendly mode or friendly times is run out 2：F-Hour: Friendly hour 3：weekend: weekend 4：holiday: holiday 5：EmErg: emergency mode 6：SpEciAL: weekend or friendly day is finished but does not arrival next day 10 o' clock
901	kWh of Step 1/ kWh of Tariff 1 [|A| + |-A|]	902	kWh of Step 2/ kWh of Tariff 2 [|A| + |-A|]
903	kWh of Step 3/ kWh of Tariff 3 [|A| + |-A|]	904	kWh of Step 4/ kWh of Tariff 4 [|A| + |-A|]
905	kWh of Step 5/ kWh of Tariff 5 [|A| + |-A|]	906	kWh of Step 6/ kWh of Tariff 6 [|A| + |-A|]
907	kWh of Step 7/ kWh of Tariff 7 [|A| + |-A|]	908	rate of Step 1/ price of Tariff 1
909	rate of Step 2/ price of Tariff 2	910	rate of Step 3/ price of Tariff 3
911	rate of Step 4/ price of Tariff 4	912	rate of Step 5/ price of Tariff 5
913	rate of Step 6/ price of Tariff 6	914	rate of Step 7/ price of Tariff 7
915	rate of Step 8/ price of Tariff 8	916	The average Power Factor (PF) of last month
917	Level 1 alarm of balance low	918	Level 2 alarm of balance low
919	Level 3 alarm of balance low	920	Special step status word
921	Already used times of weekend	922	Consumption amount of current month
923	Consumption amount of last month	924	Consumption amount of last 2nd month
925	Consumption amount of last 3rd month	926	Consumption amount of last 4th month
927	Consumption amount of last 5th month	928	Consumption amount of last 6th month
930 *	PFC of last month not support in single phase meter	931	PFC of last 2nd month not support in single phase meter
932	PFC of last 3rd month not support in single phase meter	933	PFC of last 4th month not support in single phase meter
934	PFC of last 5th month not support in single phase meter	935	PFC of last 6th month not support in single phase meter
940	Reactive energy of last month |R| + |-R|	941	Reactive energy of last 2nd month |R| + |-R|
942	Reactive energy of last 3rd month |R| + |-R|	943	Reactive energy of last 4th month |R| + |-R|
944	Reactive energy of last 5th month |R| + |-R|	945	Reactive energy of last 6th month |R| + |-R|

952	Prepay Mode: PrEPAY or Post-pay mode indication: POStPAY	953	Neutral Current
954	Total tariff 1 active energy KWh [|A| + |-A|]	955	Total tariff 2 active energy KWh [|A| + |-A|]
956	Total tariff 3 active energy KWh [|A| + |-A|]	957	Total tariff 4 active energy KWh [|A| + |-A|]
958	Total tariff 5 active energy KWh [|A| + |-A|]	959	Total tariff 6 active energy KWh [|A| + |-A|]
960	Total tariff 7 active energy KWh [|A| + |-A|]	961	Total tariff 8 active energy KWh [|A| + |-A|]
962	Positive tariff 1 reactive energy |R|	963	Positive tariff 2 reactive energy |R|
964	Positive tariff 3 reactive energy |R|	965	Positive tariff 4 reactive energy |R|
966	Total positive reactive energy |R|	967	Last Month positive reactive energy |R|
968	Current Month positive reactive energy |R|	970	Negative tariff 1 reactive energy |-R|
971	Negative tariff 2 reactive energy |-R|	972	Negative tariff 3 reactive energy |-R|
973	Negative tariff 4 reactive energy |-R|	974	Total negative reactive energy |-R|
975	Last Month negative reactive energy |-R|	976	Current Month negative reactive energy |-R|
981	Emergency credit balance	985	Total consumption credit
986	Remaining energy estimated value	998	Instantaneous power factor (PF)
700	Accumulated Balance/Maximum Balance Limit of Meter	701	The opening terminal cover time for last time
702	The opening terminal cover date for last time	703	Maximum demand in KWh on last month
704	Maximum demand (KWh) date on last month	705	Maximum demand (KWh) time on last month
706	Maximum demand in KWh on current month	707	Maximum demand (KWh) date on current month
708	Maximum demand (KWh) time on current month	712	Consumption amount of last 12 months
709	 Meter sensor status bit: from low to high		
716	Firmware Version		

Bit0	Meter cover open	Bit6	Overload
Bit1	Terminal cover open	Bit7	Magnetic effect influence
Bit2	Over voltage L1	Bit8	Battery open or damage
Bit3	Under voltage L1	Bit9	Communication module open or damage
Bit4	Reverse current	Bit10	Neutral missing
Bit5	Bypass	Bit11	Return code data accuracy, 0 stands for 0.01, 1 stands for 1.

N.B: Meter will show all error or message in message format in display not using any code.