We required following command to operate panel

1. Read status sms
2. Read machine settings sms
3. Write machine settings sms
4. Control
5. Read status
6. Working conditions(2 digits): 1 = ro on work

2 = tank full

3 = sand filter backwash

4= carbon filter backwash

5= flushing

6= no network

7= error 1

8 = error 2

Upto

99

1. Rwp amp(2 digit)
2. Hpp amp(2 digit)
3. Today production(2 digit)
4. Total production(4 digit)
5. Today working hours(2 digit)
6. Total working hours(4 digit)
7. Ro inlet pressure(2 digit)
8. Ro outlet pressure(2 digit)
9. Pressure gauge 1(2 digit)
10. Pressure gauge 2(2 digit)
11. Pressure gauge 3(2 digit)
12. Pressure gauge 4(2 digit)
13. Feel flow(2 digit)
14. Product flow(2 digit)
15. Feed tds(2 digit)
16. Product tds(2 digit)
17. Sand filter service hours(2 digit)
18. Carbon filter service hours(2 digit)
19. Softner filter service hours(2 digit)
20. Read machine settings
    1. SPP ON/OFF (1 digit)
    2. RWP ON/OFF and amp( 3 digit)
    3. HPP ON/OFF and amp( 3 digit)
    4. DRY RUN ON OFF and amp( 3 digit)
    5. DOSING TANK ON/OFF and amp( 1 digit)
    6. LP ON/OFF and TIME ( 2 digit)
    7. HP ON/OFF and TIME ( 2 digit)
    8. SAND FILTER TIME ( 2 digit)
    9. CARBON FILTER TIME ( 2 digit)
    10. SOFTNER FILTER TIME ( 2 digit)
    11. FLUSING TIME F1,F2,F3 ( 6 digit)
    12. TANK FULL ON/OFF (1 DIGIT)
    13. SET DATE (6 DIGIT)
    14. SET TIME (6 DIGIT)
21. Set machine settings
    1. SPP ON/OFF (1 digit)
    2. RWP ON/OFF and amp( 3 digit)
    3. HPP ON/OFF and amp( 3 digit)
    4. DRY RUN ON OFF and amp( 3 digit)
    5. DOSING TANK ON/OFF and amp( 1 digit)
    6. LP ON/OFF and TIME ( 2 digit)
    7. HP ON/OFF and TIME ( 2 digit)
    8. SAND FILTER TIME ( 2 digit)
    9. CARBON FILTER TIME ( 2 digit)
    10. SOFTNER FILTER TIME ( 2 digit)
    11. FLUSING TIME F1,F2,F3 ( 6 digit)
    12. TANK FULL ON/OFF (1 DIGIT)
    13. SET DATE (6 DIGIT)
    14. SET TIME (6 DIGIT)
22. Controls

A Machine start

B machine stop

C start sand filter back wash

D start carbon filter back wash

E start softner filter back wash

F Start Flushing

Opeating:

1. When app requires status it will generate sms for particular panel .

Panel will receive sms and update 20 different status separated by comma (,)

1. When app requires machine parameters readings it will generate sms for particular panel .

Panel will receive sms and update 14 different parameters settings separated by comma (,)

1. When app requires change machine parameters readings it will generate sms for particular panel and send the 14 different parameters settings separated by comma (,)

When panel receives this sms , panel updates the parameters and also send ack sms to the system to confirmation

1. When app want to control the panel it will send the command A to F.