CRUISE CONTROL
&
SPEED LIMITER

AP900 Series
SL900 Series

Dealer address details:
SYSTEM DIAGNOSTICS:

The Cruise Control has integrated self-diagnostics. The self-diagnostics will send a code via the buzzer when the system disengages automatically for safety reasons or if a system error is detected.

1 Hi tone beep – When any command module key get stuck or hold down for over 20 seconds. The cruise control will disengage and issue one Hi tone beep for the identification.

2 Hi tone beeps – When the speed accelerate exceptional (over 9 km/h / s), the cruise control will disengage and issue two Hi tone beeps for the identification.

3 Hi tone beeps – When the Speed drops below 33 km/hr the cruise control will disengage and issue three Hi tone beeps for the identification.

4 Hi tone beeps – When the Speed exceeds 250 km/hr the cruise control will disengage and issue 4 Hi tone beeps for the identification.

5 Hi tone beeps – When the Speed drops below 75% of set speed (uphill), the cruise control will disengage and issue 5 Hi tone beeps for the identification.

6 Hi tone beeps – When the Speed exceeds 150% of set speed (down-hill), the cruise control will disengage and issue 6 Hi tone beeps for the identification.

7 Hi tone beeps – When an error is detected at the throttle pedal connections. The cruise control will disengage and issue 7 Hi tone beeps for the identification.

8 Hi tone beeps – When RPM increases exceptional, the cruise control will disengage and issue 8 Hi tone beeps for the identification.
PRODUCT VARIANTS:

1.1 SL900 / SL900C SPEED LIMITER

SL900 Speed Limiter will operate solely as a speed limiter to 1 preprogrammed fixed maximum speed value. The programming of the Speed Limit needs to be executed during the product installation by an authorized dealer.

Optional a Command Module can be added to this device and will give the additional functionality to Set, Increase, Decrease, Resume, Memorize and Cancel other speed limit values below the fixed maximum speed limit. Follow the operating instructions described in chapter 4.

For safety the driver can override the self programmed speed limit by pressing the accelerator pedal fast to its maximum.

1.2 AP900/AP900C CRUISE CONTROL & SPEED LIMITER

The AP900 / AP900C is featuring the same Speed Limiter functionality as the SL900 / SL900C and also offers a comprehensive Cruise Control System.

One touch of the ON command key will activate the Cruise Control, and when switched off an over 1 second press & hold of the ON command key will activate the Speed Limiter. Activation of both functions will be confirmed via a buzzer with respective 2-low beeps and 1-low + 2-high beeps.

With the system programmed as fixed Speed Limiter, the Cruise Control will not be able to engage above the fixed maximum speed value. Speed Limits programmed with the command module can be exceeded by the Cruise Control.

With the system programmed as Speed Alert, the Speed Limiter function will be disabled. The Cruise Control will be able to engage above the set Speed Alert value but will give a warning (3 high tone beeps) when this speed value is exceeded.

The operation of the Cruise Control is identical to the other LITE-ON Cruise Controls. Follow the operating instructions described in chapter 3.

TAP DOWN (-1 km/h)
Press and release the RES/- key while the Cruise Control is engaged and the set speed will be decreased by 1 km/hr.

STEP DOWN (-10 km/h)
Press the DEC/- key for 1 second and the set speed will step down 10km/h.

MEMORY FUNCTION
For command modules that are offering the Memory functions.

MEMORY PROGRAMMING
Switch the Cruise Control ON (green LED);
Drive the desired speed;
Press & hold memory button I or II till a beep is heard.

SELECT MEMORY SPEED
Switch the Cruise Control ON (green LED)
Press button I or II

(CM35 command module)
4.2 CRUISE CONTROL

ON / OFF:
Pressing the ON/OFF key for less than 1 second will turn the Cruise Control ON or OFF.
LED GREEN - Cruise Control Stand-by
LED ORANGE - Cruise Control Activated

CANCEL:
Press and release the CANCEL key after the Cruise Control is engaged and the cruise control will disengage. The previous set speed is memorized.

SET / +:

SET
Press and release the SET/+ key while the Cruise Control is disengaged and the Cruise Control will engage and maintain the present vehicle speed.

TAP UP (+1 km/h)
Press and release the SET/+ key while the Cruise Control is engaged and the set speed will be increased with 1 km/hr.

STEP UP (+10 km/h)
Press the SET/+ key for 1 second and the set speed will step up 10km/h.

ACCELERATE(> +10 km/h)
Press the accelerator pedal to increase speed with more than 10km/h. Press the SET key to program the new set speed.

RES/-:

RESUME
Press and release the RES/- key while the Cruise Control is disengaged and the Cruise Control will engage and resume to the last memorized set speed. If no valid resume speed is memorized, the Cruise Control will program the actual vehicle speed.
**EXTRA SAFETY FEATURE: SAVIOR**

All AP900-series Cruise Controls and Speed Limiters are all equipped with an additional unique permanent safety feature called SAVIOR. The SAVIOR prevents permanently life threatening situations in case of any reason the accelerator pedal and brake pedal are depressed simultaneously!

Such life-threatening situation can occur if due to a mechanical failure the accelerator pedal stuck or if accidentally brake and accelerator pedal are depressed simultaneously. In such circumstances the SAVIOR will activate and set the accelerator pedal back to idle position to stop the car acceleration and to allow brake system to STOP the car if the brake pedal remains depressed.

⚠️ SAFETY NOTE: The SAVIOR stops functioning when the brake pedal is released! In emergency situations keep the brake pedal depressed till then car stands still. Then turn ignition off, turn the hand brake on and release the brake pedal.

⚠️ SAFETY NOTE: The SAVIOR does not activate the brake system. The SAVIOR provides under above described circumstances driver-assistance only! The drive will always remain responsible for the movement of the car!

⚠️ SAFETY NOTE: Never activate the SAVIOR on purpose. Avoid dangerous situation at all times!
OPERATING INSTRUCTIONS

4.1 SPEED LIMITER

ON / OFF:
Pressing the ON/OFF key for more than 1 second will turn the Speed Limiter ON or OFF.
LED GREEN - Speed Limiter Stand-by
LED ORANGE - Speed Limiter Activated

CANCEL:
Press and release the CANCEL key after the Speed Limiter is engaged and the speed limiter will disengage. The previous set speed limit is memorized.

SET / +:
SET
Press and release the SET/+ key while the Speed Limiter is disengaged and the Speed Limiter will activate and start to limit at the present vehicle speed.

TAP UP (+1 km/h)
Press and release the SET/+ key while the Speed Limiter is engaged and the set speed limit will be increased with 1 km/hr.

STEP UP (+10 km/h)
Press the SET/+ key for 1 second and the set speed limit will step up 10km/h.

RES/ -:
RESUME
Press and release the RES/- key while the Speed Limiter is disengaged and the Speed Limiter will engage and restore the speed limit at the previous set value. If no valid restore speed limit is memorized, the Speed Limiter will set to the current vehicle speed.

TAP DOWN (-1 km/h)
Press and release the RES/- key while the Speed Limiter is engaged and the set speed limit will be decreased with 1 km/hr.

STEP DOWN (-10km/h)
Press the DEC/- key for 1 second and the set speed limit will step down 10km/h.

DECEL (< -3 km/h)
Release the accelerator pedal to reduce speed. Press the SET key to program the new speed limit. This procedure can be repeated if the speed has dropped at least 3km/h below the actual programmed speed limit or if the accelerator pedal is released completely.

MEMORY FUNCTION
Some command modules offer the Memory function

MEMORY PROGRAMMING
Switch the Cruise Control ON (green LED); Drive the desired speed; Press & hold memory button I or II till a beep is heard.