DSE
make things clear

SD-CON1
USER MANUAL

Description

The SD-CON1 control console is used to control and configure cameras speed domes with command via RS485 serial line protocol and PELCO D.
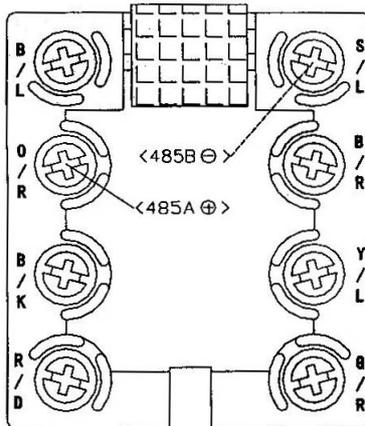
Installation

The console communicates with the cameras through the RS485 BUS, percu the first thing to do is to connect the console to the BUS. To do this connect the supplied cable to the RX OUT connector on the back of the console. At the moment

the RX RS232 connector and have no use. At the other end of the cable to insert a can of derivation provided inside of which there are 8 terminals

Use the terminals shown in Figure 2 to connect the RS485 BUS cables (A / B)

You can connect to the BUS up to 32 consoles without need of direct them.

Once the connection is made in the food BUS the console with the power supply 9VDC provided and remove the of the protective film LCD screen.

THE commands from console

🔶 **SETTING THE PARAMETERS OF THE BUS.** Before you can use the console it is necessary to program the communication parameters so that they are consistent with those set on cameras.

E 'essential that all devices connected to the BUS using the same protocol and the same communication speed. To act according to the table:

Type 50 then PGM	Set protocol PELCO P
Type 44 then PGM	Set Pelco D Protocol
Enter 12 then PGM	Set Baud-Rate 1200
Type 24 then PGM	Set baud rate 2400
Type 48 then PGM	Set baud rate 4800
Type 96 then PGM	Set baud rate 9600

The protocol must be the same speed set on the camera. It is not usually required set in camera the Protocol Pelco P or Pelco D as it is able to recognize it automatically. The parameters set of factory PELCO D, Baud-Rate 4800.

🔶 **TO SELECT THERE CAMERA.** Now need to select the address of the camera that Yes want command. Type the address that you have set in the camera

via the microswitches (eg. 1), then press the CAM key. The number of the camera selected will appear in the upper right of the LCD screen next to the entry CAM. All commands that from this moment forward you will work They will take effect only on this camera.

Keyboard

The keyboard consists of the following commands:

🔶 **0-9** - The number buttons are used to to insert the values Numeric. activating the button SHIFT 2-4-6-8 illuminate the buttons that can be used as an alternative to the joystick por movements of the camera.

🔶 **LIVE** - Allows you to select the camera. Enter the camera address (0 to 255) and press CAM.

🔶 **MOVEMENT WITH JOYSTICK.** If you have selected a camera you can comandarne Pan / Tilt movements with the joystick.

🔶 **TELE / WIDE.** These buttons allow you to control the camera zoom making the recovery focused (TELE) or wide-angle (WIDE). It is also possible control the zoom by rotating the knob of the joystick to the right or left.

🔶 **CLOSE / OPEN.** These buttons allow of close / open manually the diaphragm (iris) of the camera. It 'possible that this command has no effect if the camera settings (see program below) not provide there manual iris adjustment.

🔶 **NEAR / FAR.** These buttons allow to manually adjust the focus (FOCUS) of the camera. E 'possible that this command has no effect if the camera settings (see programming below) do not provide there regulation manual focus.

🔶 **MENU** - Allows you access to menu programming camera

🔶 **TOUR** - Starts and stops the TOUR between different presets set in the camera (see below)

🔶 **SCAN** - Starts and stops panning between two preset points (see below)

🔶 **PRESET** - Setup the camera presets (see below)

🔶 **CLEAR** - deletes the entered data

🔶 **CALL** - Recalls a prepositioning (to see in following)

● **PGM** - The PGM button is used to setting up the parameters of communication such as seen in previously. In addition, by pressing 1-3 and then PGM is possible to adjust the movement speed of the ZOOM.

● **OTHER KEYS -** The other keys not described in this section have no function at the moment and will be available for future implementations

presets

A pre-positioning (also called in English PRESET) is a predefined scan position that can be stored in the camera and that can be recalled quickly from the keyboard or inserted in automatic recovery sequences. Every

camera speed dome generally it allows to store a high number pre-placements.

● **SET A PRESET.** To set shot choose default the correct the camera position and the right angle zoom. When you are satisfied the frame enter the PRESET number (1 ... 33 or 35 ... 63) and press the key PRESET. The preset position will be stored. IS' possible to memorize till to 64 Preposition different for each camera.

● **DELETE A PRESET** To cancel a PRESET previously set enter the PRESET number and commute hold the PRESET button for at least 2 seconds. To clear all

the PRESET stored in the camera, type 77 and press PRESET.

● **RECALLING A PRESET** Once you set a preset, you can recall the framing by entering the Preset number and pressing the CALL button. The camera will rotate immediately until you reach the preset time frame. If the PRESET recalled was not previously

set to there camera will not move.

● **PRESET OF SYSTEM** In the program the presets, consult the camera manual to check what are the presets available to the user and which are

instead used for The camera specific commands. For example in cameras SD series is not possible to assign the preset 34 in that it is intended to bring the camera into a factory rest position.

The SCAN function - pan scan

The panoramic scanning function (SCAN) is used to to accomplish continuously at a camera view horizontal delimited by two end positions. It is a good solution to keep under control a very large environment with a single camera. For

set limit of scan do reference to the manual of the camera.

● **START SCAN** To start the SCAN press the SCAN button: the button will illuminate to indicate the activation of the function and the camera will start a continuous movement between the two end points. To stop

SCAN enough press the SCAN button so that the internal LED showing off. Some cameras do not use this command, and scanning starts and stops recalling presets.

The TOUR function

The TOUR function (also called CRUISE) serves to perform continuously at a programmed sequence of camera presets. It is an excellent solution for securing

so as specific specific risk areas rather than just a generic recovery environment. For

settings relating to TOUR function and for its control is necessary to refer to the camera manual. The

tour starts and is stopped by pressing the TOUR button or by invoking the appropriate of the camera system presets.

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