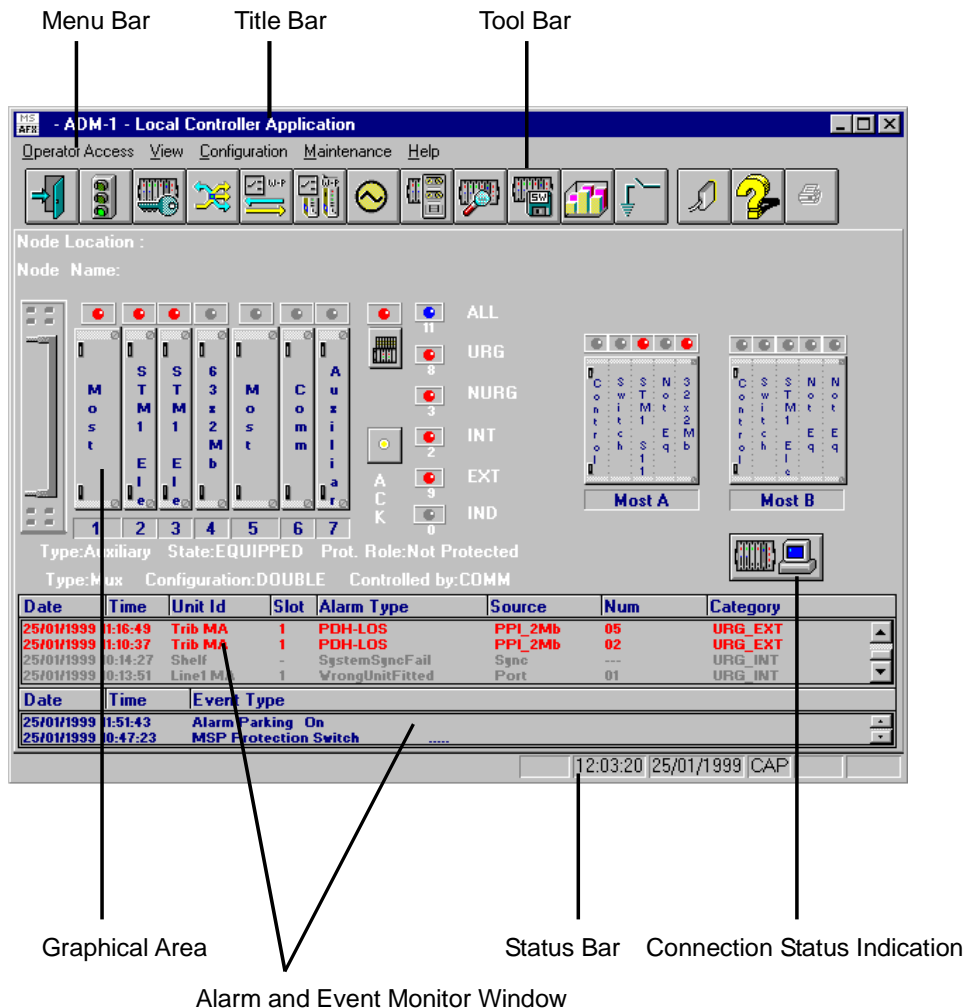


# Main Functions

## Working Area

The Control Application is divided into different main parts: the Title Bar, Menu Bar, the Graphical Area, the Tool Bar and the Alarm and Event Monitor Window.



## The Menu Bar and Menus

The title bar displays the login mode; when the remote access is performed the NSAP address of the connected equipment is shown.

Beneath the Control Application title bar there is the menu bar, which can be used to access all the menus. The menu bar is always visible while working with the Control Application.



To display a menu with a mouse, click with the left mouse button the menu title on the menu bar. To put away the menu, click another part of the screen.

There are two ways to display a menu using the keyboard:

1. Press <Alt> to make the menu bar active. Use your arrow keys to move to the desired menu title and press <Enter>.
2. Press <Alt> plus the first letter of the title of the desired menu to display. Please note that the first letter of each menu title on the menu bar is underlined. For example, pressing <Alt+H> displays the Help menu.

To put away a menu without selecting a command, press <Esc>.

Using a mouse, click the desired menu command. To exit a menu without selecting a menu command, click some part of the screen other than the displayed menu and the menu will disappear.

Using the keyboard, select the desired command with the arrow keys. Press <Enter>. To put away a menu without selecting a command, press <Esc>. Press <Esc> again to leave the menu bar and return to the active window.

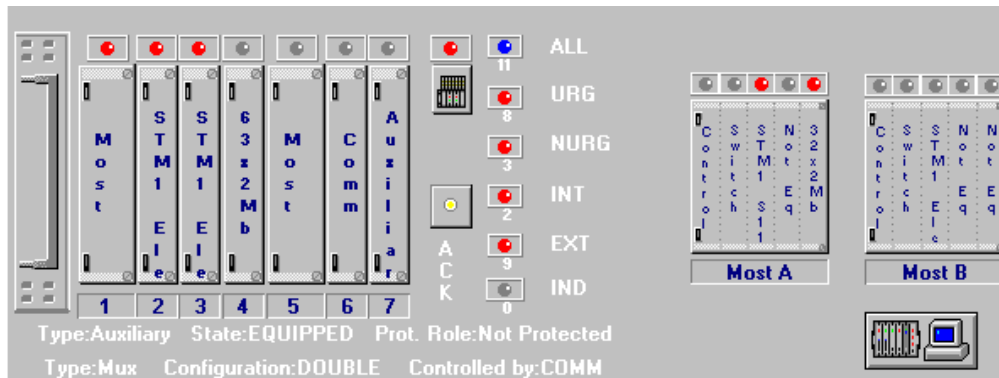
Control Application offers a number of quick ways to choose menu commands. For example, a mouse user can combine the two-step process of displaying a menu and selecting a command into one step by simply dragging from the menu title down to the menu commands and releasing the mouse button when the desired command is selected. (To exit the menu without selecting any command, just drag off the menu; no command will be selected.)

From the keyboard, a number of keyboard shortcuts (or hot keys) can be used to access the menu bar and choose commands. Here's a list of the shortcuts available:

To accomplish this:	Do This ...	
<b>Display the desired menu</b>	Press <Alt> plus the underlined letter of the menu title. For the Control Menu, press <Alt+Space bar>.	
<b>Carry out the command or display a dialog box</b>	Once a menu is displayed, press the underlined letter of the desired command.	
Key(s)	Menu Item	Function
Alt+Space bar	Control Menu	Displays the Control Menu
Alt+C	Configuration	Displays the Configuration Menu
Alt+H	Help	Displays the Help Menu
Alt+M	Maintenance	Displays the Maintenance Menu
Alt+O	Operator Access	Displays the Operator Access Menu
Alt+V	View	Displays the View Menu

## The Graphical Area

The graphical area is a representation of the equipment layout.



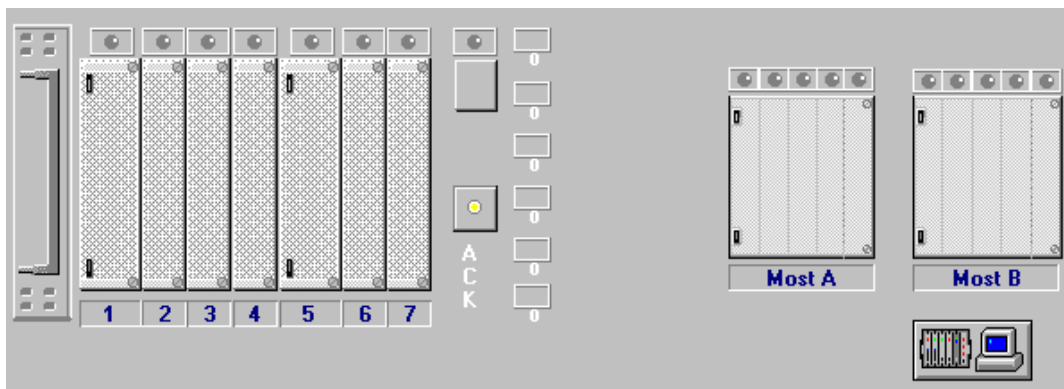
When a unit is configured, its type is displayed on the front panel.



When a configured unit is not fitted, it is drawn outside of the sub-rack.



After a log out operation the equipment layout is displayed with all the units in light grey colour.



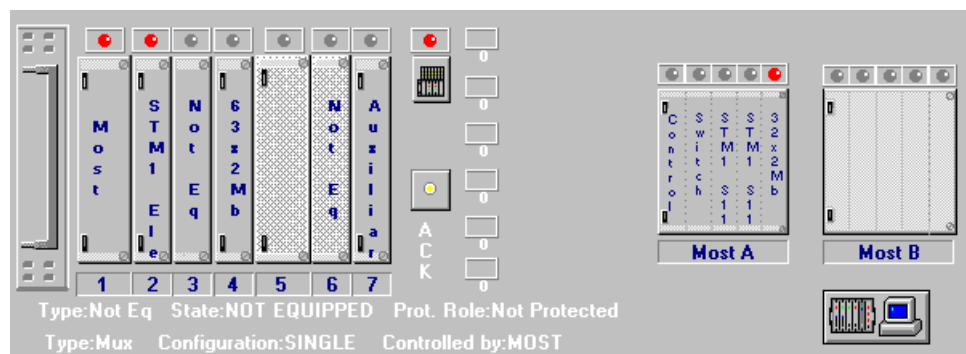
The equipment layout is not displayed after a database clear operation or when the NE Type is configured as Undefined.



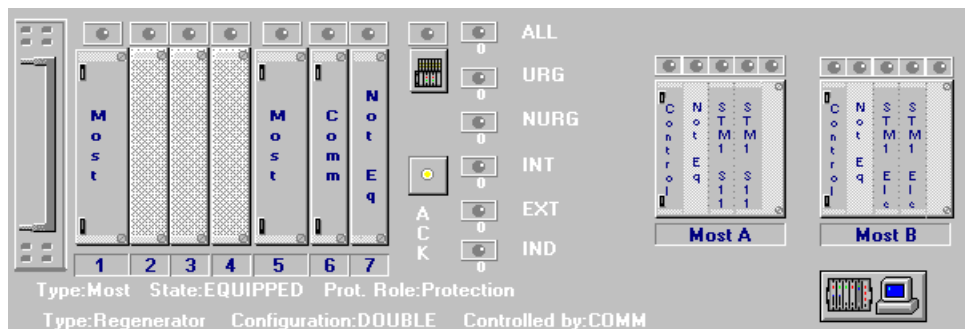
A not equipped unit is shown, with "Not Eq" displayed on the front panel



When the Communication Unit and the MOST B are not configured are shown in light grey colour. The Communication Unit is also displayed with "Not Eq" on the front panel.



When the regenerator configuration is selected the MOST Units are displayed with the switch and Tributary modules in light grey colour. The same is applied to the three external tributaries.



On the top of each unit there is a LED that becomes red when one or more alarms are detected by the unit.



By double clicking on the LED all the active alarms on the unit are shown.

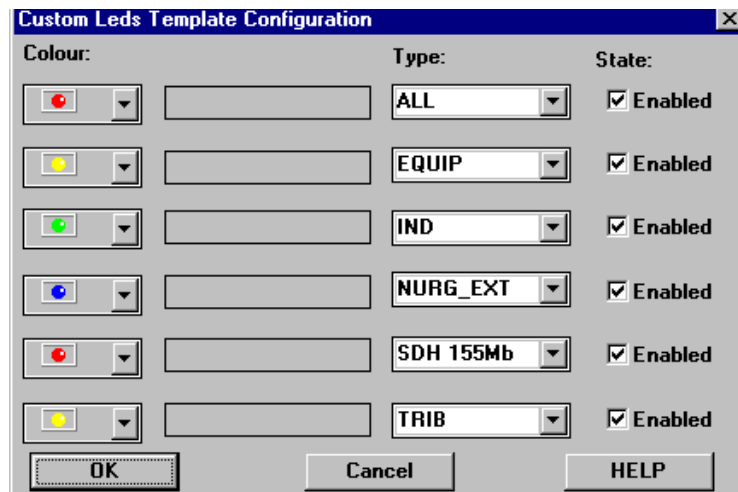
In the graphical area there are also six LEDs used to summarise different alarms.



Below each LED the number of active alarms belonging to the specific category is displayed.

The **ACK** button is used to acknowledge the active alarms (like the MEM button on the MOST Unit front panel).

By double clicking on anyone of the six available LEDs, the **Custom LEDs Template Configuration** becomes available.

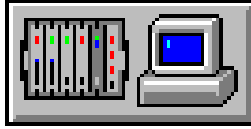


To customise the LED configuration, proceed as follows:

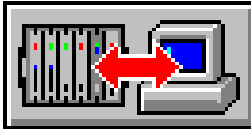
1. Enable the use of the selected LED, by checking the **State** check box.
  2. Define the type of alarms summarised by the selected LED, by using the **Type** scroll list.
  3. Define a colour(no colour, red, yellow, green and blue) for the selected LED, by using the **Colour** scroll list.
  4. Confirm by clicking on the **OK** button.
- A field for each LED is available where it is possible to type a string (max. 12 characters) as reminder for that specific alarm.

## The Connection Status Indication

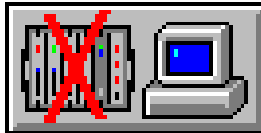
The connection status indication is a icon which carries the information on the status of the connection between PC and ADM-1.



Communication on, waiting for messages.



Message sent to/from ADM-1 and Control Application.



ADM-1 unreachable.

## The Serial Port Button Status Indication

The serial port button status indication is a icon which carries the information on the status of the PC serial port availability.



The personal computer serial port is available for the local controller.



The personal computer serial port is not available (another device is already connected).

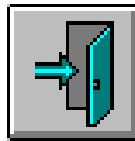
## The Tool Bar

The Tool Bar is a row of command buttons for reaching in a faster way the main functionalities of the Control Application software.



### Exit Button

This button can be used to exit from the Control Application.

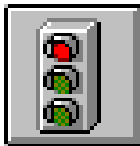


(as after the selection of **Operator Access->Exit...** from the main menu).

### Operator Access Button

This button indicates the access status:

- ◆ not logged in (red lamp on)



- ◆ read and modify (green lamp on)

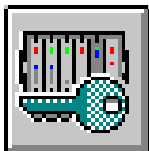


By clicking on the button the **NE access** window, with user type and password request, will appear, to log in either the local or remote equipment.

(as selecting **Operator Access->Login** from the main menu).

### Change Password Button

This button is used to change the equipment password (only available for Write and Supervisor users).



(as after the selection of **Operator Access->Password** from the main menu).



### Crossconnection Button

This button is used to manage the cross connections.



(as selecting **Configuration->Cross Connection** from the main menu).

### MSP Button

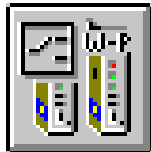
This button is used to manage the MSP protections.



(as selecting **Configuration->Protection->MSP Protection** from the main menu).

### Equipment Protection Button

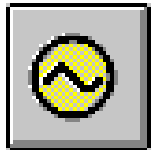
This button is used to manage the equipment protections.



(as selecting **Configuration->Protection->Equipment Protection** from the main menu).

### Synchronisation Configuration Button

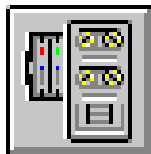
This button is used to manage the synchronisation configuration window.



(as selecting **Configuration->Sync Configuration** from the main menu).

### Alarm/Event Log Button

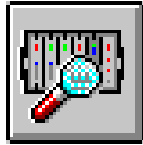
This button is used to manage the alarm/event log.



(as selecting **Configuration->Fault->NE Log** from the main menu).

### NE Configuration Button

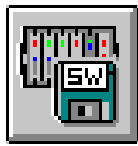
This button is used to configure the NE.



(as selecting **Maintenance->NE Setup** from the main menu).

### SW Download

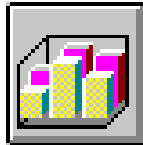
This button is used to perform an upgrade of the application software on the equipped units.



(as selecting **Maintenance->SW Download** from the main menu).

### Performance Button

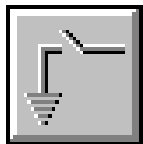
This button is used to start/stop a performance monitoring session.



(as selecting **Maintenance->Performance->Data Collection and Monitoring Configuration** from the main menu).

### Ground Contacts Button

This button is used to access the MOST LEDs and the ground contacts configuration.



(as selecting **Configuration->Fault->Ground Contacts** from the main menu).

### Help Button

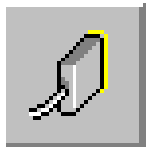
This button is used to access the Control Application Software Version.



(as selecting **Help->About...** from the main menu).

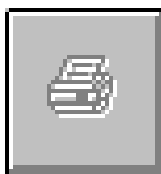
### Serial Port Button

This button is used to configure the serial port for interfacing the LC to the equipment.



(as selecting **Maintenance->Serial Port Config.** from the main menu).

### Printer Button



This option is not available yet.

### Status Bar



This bar is used to display the Local Controller and PC information as:

- ◆ Local Controller main menu current selection.
- ◆ Software download percentage.
- ◆ Personal computer time.
- ◆ Personal computer date.
- ◆ Personal computer Caps Lock.
- ◆ Personal computer Num Lock.
- ◆ Personal computer Scroll Lock.

## Alarm and Event Monitor Window

In this window any alarm or event indication are displayed in real time. This information is stored in the PC RAM memory that can store up to 1000 of the latest alarms/events (in case of Windows 95 installed and 32Mbyte RAM).

Date	Time	Unit Id	Slot	Alarm Type	Source	Num	Category
01/01/1997	22:56:09	Trib 1	2	LOS	SPI	01	URG_EXT
01/01/1997	22:55:50	Line1 MB	5	LOF	RST	01	URG_EXT
01/01/1997	22:51:33	Line0 MA	1	LOS	SPI	01	URG_EXT
01/01/1997	22:49:33	Line0 MA	1	LOS	SPI	01	URG_EXT
Date	Time	Event Type					
01/01/1997	22:18:20	Eqt Protection Switch .....					
01/01/1997	22:08:31	Write Access					

The upper part of this window displays the alarms, while the lower one shows the events.

----- The alarms are displayed in a red colour, while the events are displayed in a blue colour.

*See Also:*

**NE Log, Unit Active Alarms**