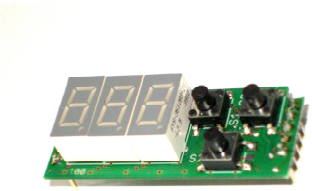
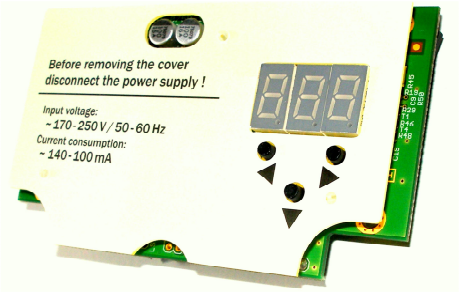
Control and monitoring modules for the MOB-729

C-729 local control module
M-729 monitoring module



Module C-729



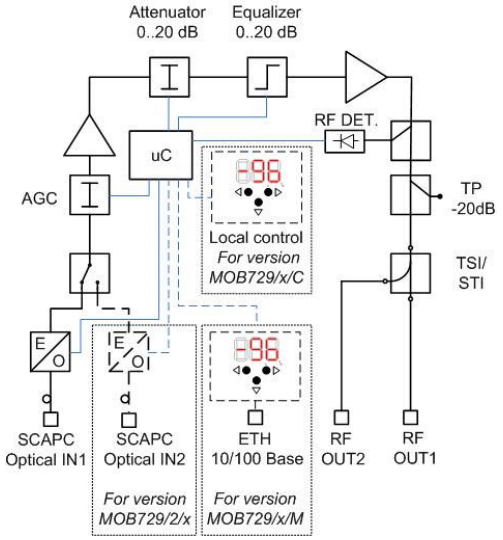
Module M-729

- Modular design
- Possible addition of functionalities in time
- monitoring via SNMPv2c and WWW interface
- Uninterruptible adjustment of parameters
- Measurement of the RF output signal

M-729 is a monitoring module for remote control of the MOB-729 optical receiver. Applied microprocessor technology gives a full control over optical and RF parameters and the installed detector allows a remote measurement of the RF output level. A remote hysteresis switching is possible in the double-input version. There is an alarm setting option which using the SNMPv2c protocol sends the alarm traps to the indicated IP address. In addition to the SNMP, there is also a WWW interface. The monitoring modules has a 3-digit LED display and keyboards for local manage of parameters. The **M-729** has a unique MAC address, built-in DHCP function, it is possible to set the IP address manually.

C-729 is a local control module. If monitoring is not necessary, full control of the receiver is effected by means of a 3-digit LED display and keypad with three keys. The **C-729** can be installed and replaced when the receiver is in operation, hence a single module can support many MOB-729 receivers.

MOB-729 block diagram and use of modules



Technical parameters may be changed without earlier notification.

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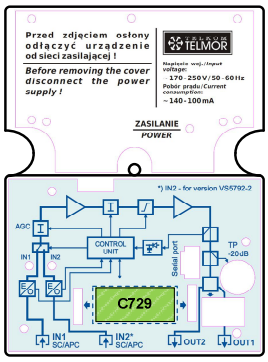
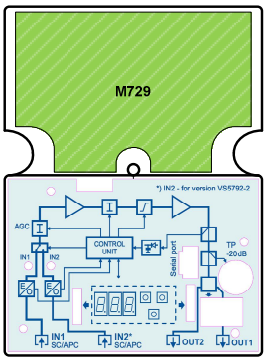
TECHNICAL PARAMETERS

C-729		
Power consumption (active display)	W	0,12
Power consumption (not active display)	W	0,06
Temperature range	^{0}C	-20..55
CONTROLED PARAMETERS		**(Read /Write)**
Optical input power (Pin)		R/-
Hysteresis of optical input switching (Pin $_{min}$ /Pin $_{max}$)		R/W
Input selection (A/ B/ preferred A/ preferred B)		R/W
Output level RF (Pout)		R/-
Attenuator adjustment (A)		R/W
Equalizer adjustment (Eq)		R/W
AGC settings (on/off)		R/W

M-729		
Power consumption (active display)	W	1,1
Power consumption (not active display)	W	0,8
Interface RJ45	Base	10/100
Communication standards		SNMPv2c, WWW
Temperaturowy zakres pracy	^{0}C	-20..55
MONITORED PARAMETERS		**(Read /Write)**
Input level (Pin)		R/-
Hysteresis of optical input switching (Pin $_{min}$ /Pin $_{max}$)		R/W
Input selection (A/ B/ preferred A/ preferred B)		R/W
Output level RF (Pout)		R/-
RF output power alarm (RF$_{min}$/ RF$_{max}$)		R/W
Temperature (T)		R/W
Temperature alarm (T Min/ T Max)		R/W
Attenuator adjustment (A)		R/W
Equalizer adjustment (Eq)		R/W
Location (GPS coordinates)		R/W
AGC settings (on/off)		R/W
Identification (type, model, SN, MAC)		R/-
ETH connection (IP, DHCP)		R/W
Power supply		R/-
Tamper		R/-



MOB-729/x/C



MOB-729/x/M

View the modules installation (can't install two modules parallel)

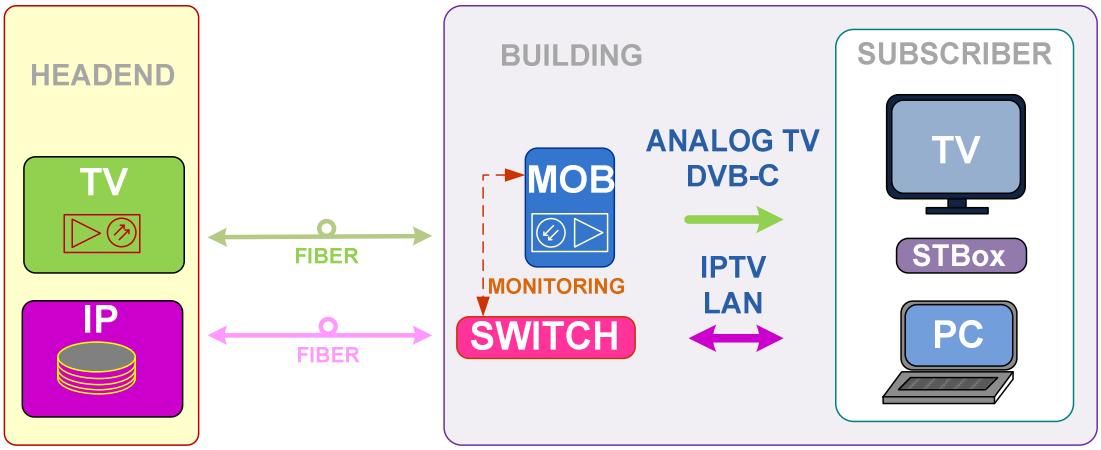
Device configuration:

MOB	729	x	x

Control (**M**) - M-729 monitoring board, (**C**) - C-729 Led module with keyboard

Number of optical inputs : (**1**)- one, (**2**) - two

Application example of MOB-729/x/M



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