



# GSM Gateway Connection to PBX as analog extension (FXO)

# DIAL-101B

**FXO**

- ◆ GSM Gateway for both incoming and outgoing calls for a drastic reduction of fixed-to-mobile phone costs
- ◆ Programmable via local phone or remotely, via GSM call, SMS or PC based utility program (Optional)
- ◆ Telephone/SMS Alarm Dialer from external contact, Remote Control of output relay
- ◆ Signal Strength LED bar indicator
- ◆ Inbound / Outbound Call barring

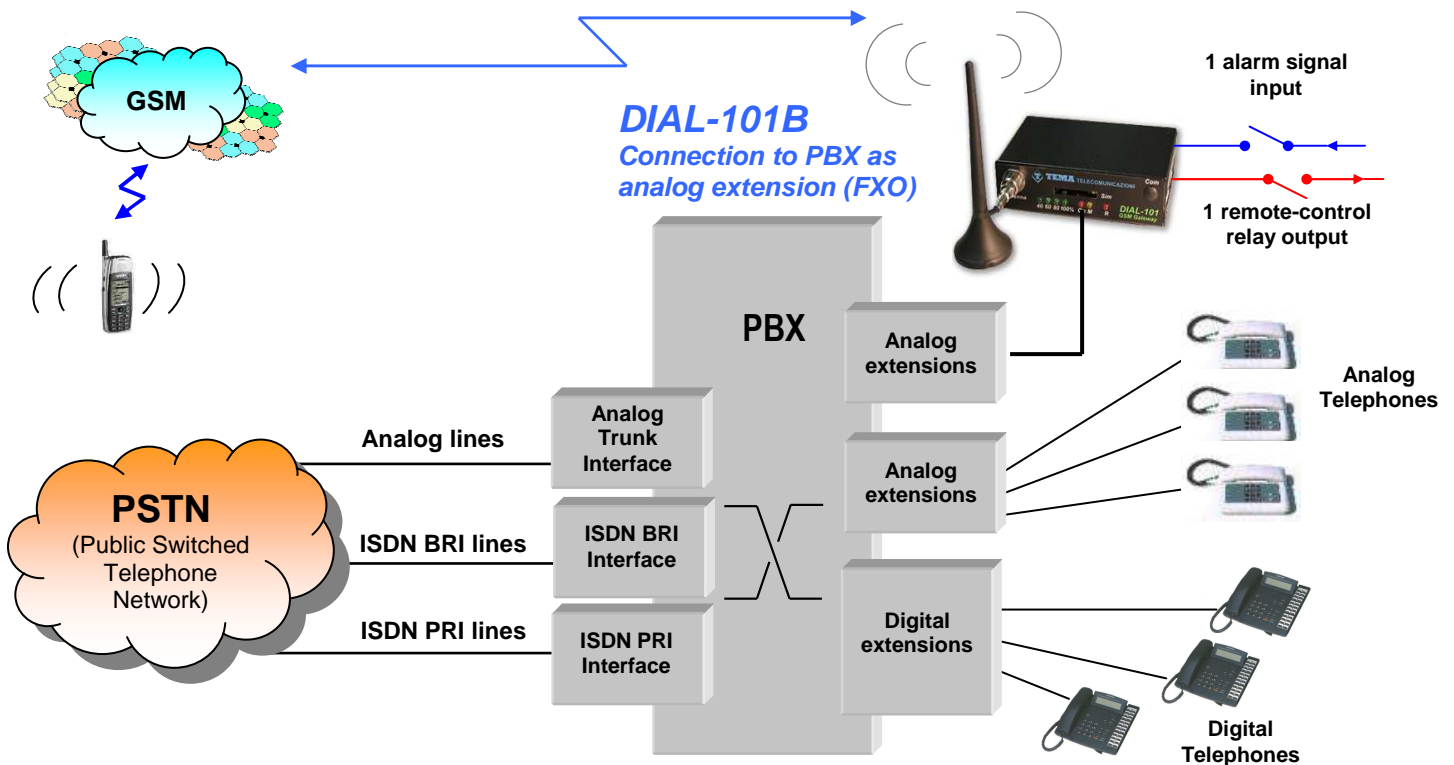


- ◆ 2,5mt Antenna cable and Power Supply included
- ◆ Call-Through function to let users make calls through the office's telephone lines simply calling the internal SIM card
- ◆ Call-Back service for authorized users to be called by the device and connected to the PBX lines, freeing them from the GSM call expenses
- ◆ Follow-Me service to have all the calls, incoming to the extension the system is connected with, routed to a unique GSM number.

**DIAL-101B** is a brand new small size GSM Gateway reducing users mobile phone costs from PBX extension or stand-alone applications with a fast ROI (Return On Investment). Using DIAL-101B users can eliminate mobile cross-network fees as it securely transforms fixed-to-mobile in mobile-to-mobile calls exploiting its Dual - Band GSM Engine.

The systems boasts many newly added functionalities in order to have an advanced use of the telephone resource: **Call-Back** function enables privileged users outside the office to dispose of PBX lines everywhere they like; if the unit recognizes the caller ID, it calls back and connects the caller to the PBX, letting him make calls through the company telephone lines as he were calling from an internal extension; **Call-Through** function enables privileged user to call the device and have PBX lines on their mobile phone; **Follow-Me** function enables automatic redirection of calls from the analog extension to a unique GSM number in a transparent way. Through the **Mobility Extension** feature, you can use all the services offered by the company's PBX. **YOUR OFFICE WHEREVER YOU ARE**, by exploiting the company lines and services in a simple, effective and economical way thanks to the new functions offered by **DIAL-101B**.

**DIAL-101B** is provided with a contact input for Alarm Dialer function and with an internal relay for Remote Control of external low-power devices or gate opening services.





**Main features**

- ◆ Dual-band built-in 900/1800MHz GSM engine
- ◆ Small size module
- ◆ High voice quality
- ◆ Plug & Play installation
- ◆ Programmable via local phone or remotely, via GSM call or SMS
- ◆ Conversation time-out
- ◆ Inbound and Outbound call barring
- ◆ CLIR (Calling line Interface Restriction)
- ◆ **Advanced telephone functions:** these functions enable authorized users to have PBX lines (and all available services, VoIP included) everywhere they are by way of GSM network:

The **Call-Through** function lets the users make calls through the office telephone lines as though they were on the PBX analog extension, simply calling the internal SIM card and being connected to the PBX by the device

With the **Call-Back** function Dial-101B calls the users back and puts at their disposal the PBX lines, freeing them from the connection expenses

The **Follow-Me** function enables automatic redirection of calls from the analog extension to an unique GSM number in a transparent way, making the user answer calls coming to the office's analog extension number via a GSM mobile device

The **Mobility Extension** function allows users to take advantage of all the PBX's services on mobile phones

- ◆ 1 alarm signal input for **Alarm Dialer** and Remote notification service and 1 low-power **Remote-Control** relay output (normal or impulsive running)

**System specification**

◆ **Radiofrequency section**

Built-In GSM module	: Dual Band (900/1800MHz)
Network type	: GSM phase II
SIM Card	: Plug-in, 3V, small
Transmitter Power	: 2W/900MHz-1W/1800MHz
Receiver Sensitivity	: > - 100 dBm
Antenna	: impedance 50 Ω, connect. FME
Antenna cable length	: 2,5mt

◆ **Telephone section**

PBX connection	: as PBX analog extension
AC impedance (off-hook)	: 600 Ω
Line current (off-hook)	: 22...50mA max.
Ring Detect	: 15...90V <sub>AC</sub> , 20...60Hz
Ring Impedance	: > 10.000 Ω
Dialing mode	: DTMF 0...9,A,B,C,D,*,# + pulse

◆ **General features**

Dimensions (HxWxD)	: 30 x 103 x 64 mm
Operating Temperature	: 0°C - 45°C
Max. Relative Humidity	: 95% not condensing
Weight	: 1 Kg. (power and antenna included)
Power Supply	: Input 220V <sub>AC</sub> , 50Hz
(provided with the unit)	: Output 12V <sub>DC</sub> , 1A
Max relay capacity	: 30V <sub>DC</sub> - 200mA



**Call-Back!**  
**Call-Through!**  
**Follow-Me!**  
**Mobility Extension!**



The manufacturer reserves the right to change product characteristics without notice

**TEMA TELECOMUNICAZIONI S.r.l.**

Telecommunications – Electronics

Headquarters : Via C.Girardengo, 1/4

Branch Office: Via della Magliana Nuova, 160

Web: [www.tematic.it](http://www.tematic.it)

e-mail: [tematic@tematic.it](mailto:tematic@tematic.it)

20161 Milano MI (Italy) Tel. +39 02 61544.1

Fax +39 02 6152605

00146 Roma RM (Italy) Tel. +39 06 58237920

Fax +39 06 58200328



UNI EN ISO 9001:2008