

Aristel

Aristel AV Series Key Telephone System



ISO9001 CE FCC

AV

Aristel

Aristel *The Modern*

Foreword

2004

Aristel's AV Series Digital Control Key Telephone System is the result of our many years of experience in telecommunication product design and development. The AV Series comes in a full product range (2-40 trunks capacities, 6-255 extensions), with complete peripherals. This highly reliable system is PTT approved and CE, FCC, and T-Mark certified.

Hook Switch

Handset

Speaker

LCD Display

DSS Keys

Redial

Speed Dial

Transfer/Flash

Hold

Speaker

Handsfree Microphone

Volume Adjust Key

Function Key



Businessperson's Personal Secretary

A Turning Point for Modern Business



• Internet Integration

Understanding that the Internet is the new window of modern business, Aristel makes easy integration with a modem and standard feature of all telephone systems.

• Caller ID

Besides showing the caller's telephone number, the Aristel AV-Series also performs a filtering function. Whether your calls are forwarded by DISA or transferred from another extension, it can correctly display the caller's telephone number.

• Super Voice Mail: Synchronized Recording and Product Presentation Functionality

Super Voice Mail provides voice as well as synchronized recording and product presentation functionality.



High Efficiency Personal Secretary



• Programmable "Follow-Me" function

Aristel originates the telephone free follow-me function. With this feature, you will never miss a call.



• Personal Appointment Reminder

If you are afraid you may forget an important date, let this tailor-made feature put your mind at ease. With the AV's time-setting function, you can be reminded of any important date over the phone.

• Calculator

Even while on the phone, you can freely use the AV's calculator function.



Elegant Design



• Adjustable Viewing Angle and Extra-Large LCD Screen

The telephone includes an extra-large LCD screen with adjustable viewing angle.

• Adjustable Extension Ring Volume

Different ring volume and/or frequency for each extension. This feature allows you to determine which extension is being rung.



• Dual-Color Three Status LED Indicator

The trunk's LED indicators show the operational status: Red light (other in use), green light (personal use), Red and green light blinking (transfer call).



Enterprise Management



• Personal Force Account Code

The system can restrict long-distance or international calls according to the user's toll requirements. Personal access codes should be required to make such outgoing calls, if necessary.

• Two-Way Incoming/Outgoing Billing Records

Conventional billing systems can only record outgoing calls and are unable to create two-way billing records. Aristel provides two-way billing record functionality to let you monitor the status of every call at each extension.



• Built-In Auto Attendant

Instant call transfer: when the caller hears "please hold on," the called extension is rung immediately. The auto attendant function is a part of the system. Calls are transferred instantly and correctly. With our unique software, you can perform bilingual group call service.

• LCR Cost-Saving Function

Responding to the challenges of the fixed network age, this system can help you to choose a lower-priced carrier automatically, which can greatly reduce your phone costs.

KP10X
KP10XH



KP10XLB
KP10XDB



KP10S
KP10SH



System Features List

- 2 Pages of DSS Key
- 3 Parties Conference
- 5 Different Trunk Access Codes
- 9 Different Incoming Ringing Frequencies
- Account Code
- Auto Attendant
- Auto Accessing Trunk
- Automatic Answer
- Automatic Call Distribution (ACD)
- Automatic Transfer
- Baby Listening
- Caller's Number Identification
- Call Limit Time Duration
- Call Park
- Call Split
- Caller's Number Identification (Caller ID)
- Console Grouping
- Date/Time Setting
- Day Time Schedule
- Day/Night Service
- Direct Intercom Dialing
- Direct Inward Dialing (DID)
- Direct Inward Station Access (DISA)
- Door Phone Connection
- Door Switch Control
- EMI Filter
- Environment Monitor
- External Call Forward (ECF)
- Fax Monitor
- Flexible Function Key Assignment
- Forced Account Code
- Headset Function
- Hot Line
- Hotel/Motel Function w/o PC
- Illegal Outgoing Protection
- Intercom Busy Reminder
- Incoming Hunting
- Incoming Paging
- Intercom Hunting
- Internal/External Music Source
- Internal/External Paging
- ISDN Compatible
- Key Station Start Protection
- Lightning Protection
- Manual Line
- Message Waiting
- Metering Pulse Detection
- Name Speed Dialing (Phone Book)
- Off Hook Call Announcement (OHCA)
- One Touch Operation
- Polarity Reverse
- Power Failure Telephone
- Private Line
- Programming Help List
- Remote Programming
- Remote Relay Control
- Security/Fire Alarm System
- Single Digit Dialing
- Station Loud Bell
- Station Message Details Report (SMDR)
- System Alarm
- Toll Restriction
- Tone/Pulse Dialing
- Trunk Grouping
- Trunk Loud Bell
- Trunk Queuing
- Unsupervised Conference

• means the optional function

Station Features List

- 16x2 Dot-Matrix LCD Display
- 5 Different Numbers Auto Redial
- 9 Different Ringing Frequencies on Key Station
- Adjustable LCD Angle
- Built-in Calculator Function (25 Buttons LCD Phone)
- Call Forward/Call Follow Me
- Call Forward to Individual Speed Dial
- Call Pick Up
- Call Transfer
- Camp On
- Conference
- Day/Night Service Indication
- Digital Volume Control (8 Levels)
- Do Not Disturb
- Dual-Color/Tri-Status BLF Indication
- DSS Console (for AV-38 only)
- Handsfree Dialing
- Handsfree Conversation
- Hold/Exclusive Hold
- Last Number Redial
- Macro Key Setting
- Message Waiting
- Message Text
- Monitor
- Off Hook Call Announcement (OHCA)
- Override
- Page/Be Paged
- Photo-interrupt Hook Switch
- Station Lock/Unlock
- Station Name Setting
- Station Operation Help List

• means the optional function



KP30X
KP30XH



KP30XL
KP30XD

General Specification

Input AC Voltage		NAV-8	AV-12	AV-38	AV-64	AV-256
		AC110V/220V (±10%) 50/60Hz				
Input AC Current (Ampere)		0.18/0.09	0.26/0.13	0.85/0.42	2.4/1.2	2.4/1.2
Power Consumption	System	20W	30W	60W	200W	200W (each cabinet)
	Key Telephone			2.0W max.		
	SLT			0.85W		
	Door Phone			0.5W		
System Power Back-Up Battery		5-6 Hours	4-5 Hours	2-3 Hours	1-2 Hours	1-2 Hours
Loop Resistance	Key Telephone			40Ω max.		
	Door Phone			40Ω max.		
	SLT			400Ω max.		
	External Paging CO Line			600Ω max. 1.5KΩ max.		
Dialing Signal		Outgoing Dialing Intercom Dialing				Tone / Pulse Tone / Pulse / Digital
Wiring Installation	CO Line			2 wires		
	Relay Switch			2 wires		
	Key Telephone			4/6 wires		
	Sensor			2 wires		
	SLT			2 wires		
	External Music			2 wires		
	Door Phone			2 wires		
	External Paging			2 wires		
	Fax Machine			2 wires		
	SMDR			6 wires		
Relay Switch		Type Power Consumption Function				SPDT 125V/12A or 250V/7A Maximum Door Switching, Paging, Music on Hold, ..., etc.
System Dimension(mm, WxD(H))		300 × 75 × 400	310 × 70 × 205	455 × 95 × 68	550 × 230 × 400	550 × 230 × 400
Key Telephone Dimension (mm)		230L × 180W × 75H				
Working Temperature		0°C-45°C (32°F-113°F)				
Working Humidity		10%-90%RH (relative non-condensing)				
Switch Mode		Space Division Matrix (SDM)				
Control Mode		8/16 bits CPU, Registered Program				

Key Telephone Specification

FUNCTION	KP10X	KP10XLB	KP10XDB	KP10S	KP10LB	KP10DB	KP30X	KP30XH	KP30XL	KP30XD
Flexible DSS Key	15 Keys	15 Keys	15 Keys	25 Keys	25 Keys	25 Keys	15 Keys	15 Keys	15 Keys	15 Keys
LCD (16 × 2)	-	✓	✓	-	✓	✓	-	-	✓	✓
Handsfree Dialing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Direct Intercom	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Photo-Interrupter	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dual Color LED (BLF)	8 keys	8 keys	8 keys	25 keys	25 keys	25 keys	8 keys	8 keys	8 keys	8 keys
Digital Volume Control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Short-Loop Protection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CHCA	Install optional HFBA15	Install optional HFBA15	✓	Install optional HFBA25	Install optional HFBA25	✓	-	✓	-	✓
Handsfree Conversation	Install optional HFBA15	Install optional HFBA15	✓	Install optional HFBA25	Install optional HFBA25	✓	-	✓	-	✓
One-Touch Paging	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Last Number Redial	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Calculator	-	-	-	-	✓	✓	-	-	-	-
Individual Speed Dial	20 sets	20 sets	20 sets	20 sets	20 sets	20 sets	20 sets	20 sets	20 sets	20 sets
Different Ringing Frequencies	9 kinds	9 kinds	9 kinds	9 kinds	9 kinds	9 kinds	9 kinds	9 kinds	9 kinds	9 kinds

* Postfix: W=White Color, C=Charcoal Color

* Console Phone DSS64 also available

AV System Specification

FUNCTION	NAV-8	AV-12	AV-38	AV-64	AV-256
CO Line	2-3	2-4	4-12	0-20	0-40
Key Telephone	1-2	6-8	2-24	0-80	0-255
Single Line Telephone	5-7	0-2	0-26	0-80	0-255
Sensor Interface	0-2	0-1	0-2	0-4	0-16
Relay Interface	0-2	0-1	0-2	0-4	0-16
Door Phone Connections	0-2	0-1	0-2	2	2
Fax Monitor Connection	1	1	0-3	0-5	0-10
Power Failure Transfer Phone	3	1	0-6	0-5	0-10
System Power Back Up	1	1	1	1	1-4
Auto Attendant	0-1	0-1	0-2	0-12	0-40
Speed Dial	700	700	700	1200	1200
RS232 for SMDR	0-1	0-1	0-2	0-1	0-4
Metering Pulse Detection	0	0	0-12	0-20	0-40
Line Reversal Detection	0	0	0-12	0-20	0-40
Remote Programming	0	0	1	0-1	0-1
ISDN (2B+D)	0	0	0-2	0-8	0-20
Caller ID (DTMF/FSK)	0-3	0-4	0-8	0-8	0-32



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