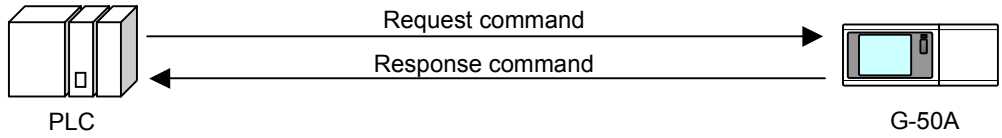
1 Operating air conditioners



1-1 Request command for operating air conditioner

```
POST /servlet/MIMEReceiveServlet HTTP/1.0
Content-type: text/xml
Content-length: 242

<?xml version="1.0" encoding="UTF-8"?>
<Packet>
  <Command>setRequest</Command>
  <DatabaseManager>
      <Mnet Group="12" Drive="OFF" Mode="COOL" SetTemp="26" AirDirection="HORIZONTAL" FanSpeed="LOW" />
  </DatabaseManager>
</Packet>
```

Fixed text

Input length of the contents, which is between <?xml to </Packet>

Fixed text. Command is 'setRequest'

Input the item to operation

Fixed text

1-2 Response command for operating air conditioner

```
HTTP/1.1 200 NO ERROR
date: Fri, 11 Oct 2002 12:58:20 GMT
content-type: text/xml
connection: close
content-length: 239

<?xml version="1.0" encoding="UTF-8"?>
<Packet>
  <Command>setResponse</Command>
  <DatabaseManager>
    <Mnet Group="12" Drive="OFF" Mode="COOL" SetTemp="26" AirDirection="HORIZONTAL" FanSpeed="LOW" />
  </DatabaseManager>
</Packet>
```

When request command is correct, then 'HTTP/1.1 200 NO ERROR' is sent.
When request command is not correct, then 'HTTP/1.1 500 ERROR' is sent.

Date of G-50A

Fixed text

Length of the contents, which is between <?xml to </Packet>

Fixed text. Command is 'setResponse'

Same as request command

Fixed text

Note: If you want to operate only mode, XML command is as follows.

```
        :
    <Mnet Group="1" Mode="COOL"/>
        :
```

Note: If you want to turn on the group 1 and group 2 of air conditioners at a time, XML command is as follows.

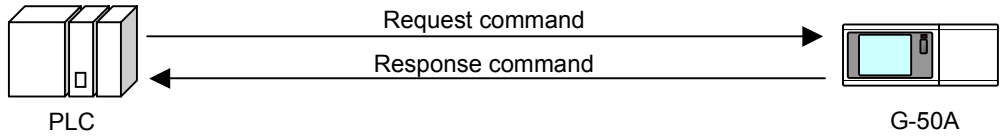
```
        :
    <Mnet Group="1" Drive="ON"/>
    <Mnet Group="2" Drive="ON"/>
        :
```

Property of operating command

Property	Value	Info.
Group	“1” to “50”	Group number of air conditioners
Drive	ON	Air conditioners turn ON.
	OFF	Air conditioners turn OFF.
Mode	COOL	Mode of Air conditioner
	DRY	
	FAN	
	HEAT	
	AUTO	
	HEATRECOVERY	Mode of LOSSNAY
	LC_AUTO	
	BYPASS	
SetTemp	“17” to “30”	Set the temp following range Mode is “COOL” or “Dry”: 19 to 30 deg C Mode is “HEAT”: 17 to 28 deg C Mode is “AUTO”: 19 to 28 deg C
AirDirection	HORIZONTAL	Air direction of air conditioner
	MID1	
	MID2	
	VERTICAL	
	SWING	
FanSpeed	HIGH	FanSpeed of air conditioner or LOSSNAY
	MID1	
	MID2	
	LOW	
RemoCon	PROHIBIT	Prohibit or permit the following items If all prohibit items are “CHK_OFF” then set “PERMIT”.
	PERMIT	
DriveItem	CHK_ON	If RemoCon = ”PROHIBIT” and DriveItem = “CHK_ON”, changing ON/OFF by remote controller is prohibited.
	CHK_OFF	
ModeItem	CHK_ON	If RemoCon = ”PROHIBIT” and ModeItem = “CHK_ON”, changing mode by remote controller is prohibited.
	CHK_OFF	
SetTempItem	CHK_ON	If RemoCon = ”PROHIBIT” and SetTempItem = “CHK_ON”, changing temperature by remote controller is prohibited.
	CHK_OFF	
FilterItem	CHK_ON	If RemoCon = ”PROHIBIT” and FilterItem = “CHK_ON”, resetting filter sign by remote controller is prohibited.
	CHK_OFF	
Ventilation	HIGH	Operation status of interlocked LOSSNAY or OA processing unit
	LOW	
	OFF	
FilterSign	RESET	Resetting the filter sign of the group (Setting only)
ErrorSign	RESET	Resetting the error sign of all units (Setting only)

A1

2 Monitoring air conditioners



2-1 Request command for monitoring air conditioner

```
POST /servlet/MIMEReceiveServlet HTTP/1.0
Content-type: text/xml
Content-length: 227

<?xml version="1.0" encoding="UTF-8"?>
<Packet>
  <Command>getRequest</Command>
  <DatabaseManager>
    <Mnet Group="12" Drive="*" Mode="*" SetTemp="*" AirDirection="*" FanSpeed="*" />
  </DatabaseManager>
</Packet>
```

Fixed text

Input length of the contents, which is between <?xml to </Packet>

Fixed text. Command is 'getRequest'

Input the item to monitor

Fixed text

2-2 Response command for monitoring air conditioner

```
HTTP/1.1 200 NO ERROR
date: Fri, 11 Oct 2002 14:20:21 GMT
content-type: text/xml
connection: close
content-length: 239

<?xml version="1.0" encoding="UTF-8"?>
<Packet>
  <Command>getResponse</Command>
  <DatabaseManager>
    <Mnet Group="12" Drive="OFF" Mode="COOL" SetTemp="26" AirDirection="HORIZONTAL" FanSpeed="LOW" />
  </DatabaseManager>
</Packet>
```

When request command is correct, then 'HTTP/1.1 200 NO ERROR' is sent.
When request command is not correct, then 'HTTP/1.1 500 ERROR' is sent.

Date of G-50A

Fixed text

Length of the contents, which is between <?xml to </Packet>

Fixed text. Command is 'getResponse'

Current status is input

Fixed text

Note: If you want to monitor only mode, XML command is as follows.

```
:
<Mnet Group="1" Mode="*"/>
:
```

Note: If you want to monitor the ON/OFF status of group 1 and group 2 of air conditioners at a time, XML command is as follows.

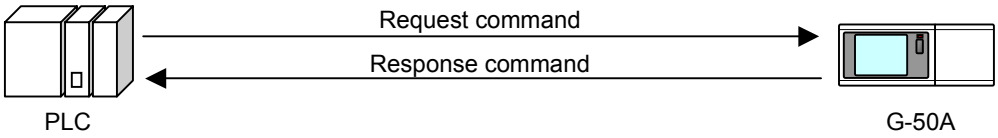
```
:
<Mnet Group="1" Drive="*"/>
<Mnet Group="2" Drive="*"/>
:
```

Property of monitoring command

Property	Value	Info.
Group	“1” to “50”	Group number of air conditioners
Drive	ON	Air conditioners turn ON.
	OFF	Air conditioners turn OFF.
Mode	COOL	Mode of Air conditioner “AUTOHEAT” and ”AUTOCOOL” can’t be set. They can be monitored only.
	DRY	
	FUN	
	HEAT	
	AUTO	
	AUTOHEAT	
	AUTOCOOL	
	HEATRECOVERY	Mode of LOSSNAY
	LC_AUTO	
	BYPASS	
SetTemp	“17” to “30”	Set the temp following range Mode is “COOL” or “Dry”: 19 to 30 deg C Mode is “HEAT”: 17 to 28 deg C Mode is “AUTO”: 19 to 28 deg C
InletTemp	“0.0” to “99.9”	Only monitoring.
AirDirection	HORIZONTAL	Air direction of air conditioner
	MID1	
	MID2	
	VERTICAL	
	SWING	
FanSpeed	HIGH	FanSpeed of air conditioner or LOSSNAY
	MID1	
	MID2	
	LOW	
RemoCon	PROHIBIT	Prohibit or permit the following items If all prohibit items are “CHK_OFF” then set “PERMIT”.
	PERMIT	
DriveItem	CHK_ON	If RemoCon = ”PROHIBIT” and DriveItem = “CHK_ON”, changing ON/OFF by remote controller is prohibited.
	CHK_OFF	
ModeItem	CHK_ON	If RemoCon = ”PROHIBIT” and ModeItem = “CHK_ON”, changing mode by remote controller is prohibited.
	CHK_OFF	
SetTempItem	CHK_ON	If RemoCon = ”PROHIBIT” and SetTempItem = “CHK_ON”, changing temperature by remote controller is prohibited.
	CHK_OFF	
FilterItem	CHK_ON	If RemoCon = ”PROHIBIT” and FilterItem = “CHK_ON”, resetting filter sign by remote controller is prohibited.
	CHK_OFF	
Ventilation	HIGH	Operation status of interlocked LOSSNAY or OA processing unit
	LOW	
	OFF	
FilterSign	ON	Filter sign status of the group (Monitoring only)
	OFF	
ErrorSign	ON	Error status of the group (Monitoring only)
	OFF	

A2

3 Getting information of air conditioner's group



3-1 Request command for getting information of air conditioner's group

POST /servlet/MIMEReceiveServlet HTTP/1.0
Content-type: text/xml
Content-length: 2538

Fixed text

Input length of the contents, which is between <?xml to </Packet>

```
<?xml version="1.0" encoding="UTF-8"?>
<Packet>
<Command>getRequest</Command>
  <DatabaseManager>
      <Mnet Address="1"   Group="*" Model="*"/>
      <Mnet Address="2"   Group="*" Model="*"/>
      <Mnet Address="3"   Group="*" Model="*"/>
      <Mnet Address="4"   Group="*" Model="*"/>
      <Mnet Address="5"   Group="*" Model="*"/>
      <Mnet Address="6"   Group="*" Model="*"/>
      <Mnet Address="7"   Group="*" Model="*"/>
      <Mnet Address="8"   Group="*" Model="*"/>
      <Mnet Address="9"   Group="*" Model="*"/>
      <Mnet Address="10"   Group="*" Model="*"/>
      <Mnet Address="11"   Group="*" Model="*"/>
      <Mnet Address="12"   Group="*" Model="*"/>
      <Mnet Address="13"   Group="*" Model="*"/>
      <Mnet Address="14"   Group="*" Model="*"/>
      <Mnet Address="15"   Group="*" Model="*"/>
      <Mnet Address="16"   Group="*" Model="*"/>
      <Mnet Address="17"   Group="*" Model="*"/>
      <Mnet Address="18"   Group="*" Model="*"/>
      <Mnet Address="19"   Group="*" Model="*"/>
      <Mnet Address="20"   Group="*" Model="*"/>
      <Mnet Address="21"   Group="*" Model="*"/>
      <Mnet Address="22"   Group="*" Model="*"/>
      <Mnet Address="23"   Group="*" Model="*"/>
      <Mnet Address="24"   Group="*" Model="*"/>
      <Mnet Address="25"   Group="*" Model="*"/>
      <Mnet Address="26"   Group="*" Model="*"/>
      <Mnet Address="27"   Group="*" Model="*"/>
      <Mnet Address="28"   Group="*" Model="*"/>
      <Mnet Address="29"   Group="*" Model="*"/>
      <Mnet Address="30"   Group="*" Model="*"/>
      <Mnet Address="31"   Group="*" Model="*"/>
```

Fixed text

```
        <Mnet Address="32"   Group="*" Model="*"/>
        <Mnet Address="33"   Group="*" Model="*"/>
        <Mnet Address="34"   Group="*" Model="*"/>
        <Mnet Address="35"   Group="*" Model="*"/>
        <Mnet Address="36"   Group="*" Model="*"/>
        <Mnet Address="37"   Group="*" Model="*"/>
        <Mnet Address="38"   Group="*" Model="*"/>
        <Mnet Address="39"   Group="*" Model="*"/>
        <Mnet Address="40"   Group="*" Model="*"/>
        <Mnet Address="41"   Group="*" Model="*"/>
        <Mnet Address="42"   Group="*" Model="*"/>
        <Mnet Address="43"   Group="*" Model="*"/>
        <Mnet Address="44"   Group="*" Model="*"/>
        <Mnet Address="45"   Group="*" Model="*"/>
        <Mnet Address="46"   Group="*" Model="*"/>
        <Mnet Address="47"   Group="*" Model="*"/>
        <Mnet Address="48"   Group="*" Model="*"/>
        <Mnet Address="49"   Group="*" Model="*"/>
        <Mnet Address="50"   Group="*" Model="*"/>
    </DatabaseManager>
</Packet>
```

Fixed text

Note: If you want to monitor only 1 unit, XML command is as follows.

```
<Packet>
   <Command>getRequest</Command>
   <DatabaseManager>
      <Mnet Address="1" Group="*" Model="*"/>
   </DatabaseManager>
</Packet>
```

3-2 Response command for getting information of air conditioner's group

```
HTTP/1.1 200 NO ERROR
date: Tue, 15 Oct 2002 13:30:25 GMT
content-type: text/xml
connection: close
content-length: 2640

<?xml version="1.0" encoding="UTF-8"?>
<Packet>
  <Command>getResponse</Command>
  <DatabaseManager>
    <Mnet Address="1" Group="1" Model="IC" />
    <Mnet Address="2" Group="2" Model="IC" />
    <Mnet Address="3" Group="3" Model="IC" />
    <Mnet Address="4" Group="4" Model="IC" />
    <Mnet Address="5" Group="5" Model="IC" />
    <Mnet Address="6" Group="6" Model="IC" />
    <Mnet Address="7" Group="7" Model="IC" />
    <Mnet Address="8" Group="8" Model="IC" />
    <Mnet Address="9" Group="9" Model="IC" />
    <Mnet Address="10" Group="10" Model="IC" />
    <Mnet Address="11" Group="11" Model="IC" />
    <Mnet Address="12" Group="12" Model="IC" />
    <Mnet Address="13" Group="13" Model="IC" />
    <Mnet Address="14" Group="14" Model="IC" />
    <Mnet Address="15" Group="99" Model="NONE" />
    <Mnet Address="16" Group="99" Model="NONE" />
    <Mnet Address="17" Group="99" Model="NONE" />
    <Mnet Address="18" Group="99" Model="NONE" />
    <Mnet Address="19" Group="99" Model="NONE" />
    <Mnet Address="20" Group="99" Model="NONE" />
    <Mnet Address="21" Group="99" Model="NONE" />
    <Mnet Address="22" Group="99" Model="NONE" />
    <Mnet Address="23" Group="99" Model="NONE" />
    <Mnet Address="24" Group="99" Model="NONE" />
    <Mnet Address="25" Group="99" Model="NONE" />
    <Mnet Address="26" Group="99" Model="NONE" />
    <Mnet Address="27" Group="99" Model="NONE" />
    <Mnet Address="28" Group="99" Model="NONE" />
    <Mnet Address="29" Group="99" Model="NONE" />
    <Mnet Address="30" Group="99" Model="NONE" />
    <Mnet Address="31" Group="99" Model="NONE" />
    <Mnet Address="32" Group="99" Model="NONE" />
    <Mnet Address="33" Group="99" Model="NONE" />
    <Mnet Address="34" Group="99" Model="NONE" />
    <Mnet Address="35" Group="99" Model="NONE" />
    <Mnet Address="36" Group="99" Model="NONE" />
```

When request command is correct, then 'HTTP/1.1 200 NO ERROR' is sent.
When request command is not correct, then 'HTTP/1.1 500 ERROR' is sent.

Date of G-50A

Fixed text

Length of the contents, which is between <?xml to </Packet>

Fixed text. Command is 'getResponse'

Group number and model
If the unit doesn't set at G-50A, group number is "99" and model is "NONE".

```
    <Mnet Address="37" Group="99" Model="NONE" />
    <Mnet Address="38" Group="99" Model="NONE" />
    <Mnet Address="39" Group="99" Model="NONE" />
    <Mnet Address="40" Group="99" Model="NONE" />
    <Mnet Address="41" Group="99" Model="NONE" />
    <Mnet Address="42" Group="99" Model="NONE" />
    <Mnet Address="43" Group="99" Model="NONE" />
    <Mnet Address="44" Group="99" Model="NONE" />
    <Mnet Address="45" Group="99" Model="NONE" />
    <Mnet Address="46" Group="99" Model="NONE" />
    <Mnet Address="47" Group="99" Model="NONE" />
    <Mnet Address="48" Group="99" Model="NONE" />
    <Mnet Address="49" Group="99" Model="NONE" />
    <Mnet Address="50" Group="99" Model="NONE" />
  </DatabaseManager>
</Packet>
```

Group number and model
If the unit doesn't set at G-50A, group number is "99" and model is "NONE".

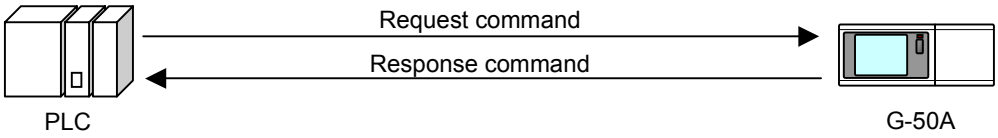
Fixed text

Property of getting group information command

Property	Value	Info.
Address	"1" to "50"	Address number of air conditioners
Group	"1" to "50" or "99"	Group number of air conditioners If the unit doesn't connect to G-50A, reply is "99".
Model	IC	Indoor unit (M-NET)
	KIC	Indoor unit (K control)
	AIC	Indoor unit (A control)
	LC	LOSSNAY
	FU	OA processing unit (Interlocked ventilation)
	OC	Outdoor unit
	OCi	Outdoor unit (Ice-Y)
	OS	Sub unit of Super-Y
	BC	Sub unit of R2 unit
	BS	
	IU	Sub unit of Ice-Y unit
	TU	
	RC	Remote controller
	SC	System controller
	KA	K converter
	??	The unit set to G-50A, but not connected
	NONE	The unit not set to G-50A

A3

4 Monitoring error code



3-1 Request command for monitoring error code

POST /servlet/MIMEReceiveServlet HTTP/1.0
Content-type: text/xml
Fixed text

Content-length: 2538
Input length of the contents, which is between <?xml to </Packet>

```
<?xml version="1.0" encoding="UTF-8"?>
<Packet>
  <Command>getRequest</Command>
  <DatabaseManager>
    <Mnet Address="0" ErrorSign="*" AlarmCode="*" />
    <Mnet Address="1" ErrorSign="*" AlarmCode="*" />
    <Mnet Address="2" ErrorSign="*" AlarmCode="*" />
    <Mnet Address="51" ErrorSign="*" AlarmCode="*" />
    <Mnet Address="101" ErrorSign="*" AlarmCode="*" />
  </DatabaseManager>
</Packet>
```

Note: If you want to monitor only 1 unit, XML command is as follows.

```
<Packet>
  <Command>getRequest</Command>
  <DatabaseManager>
    <Mnet Address="1" ErrorSign="*" AlarmCode="*" />
  </DatabaseManager>
</Packet>
```

Please monitor only registered units in G-50A. If you monitor the not registered units, error response is sent.

3-2 Response command for monitoring error code

```
HTTP/1.1 200 NO ERROR                                  When request command is correct, then 'HTTP/1.1 200 NO ERROR' is sent.
                                                       When request command is not correct, then 'HTTP/1.1 500 ERROR' is sent.
date: Tue, 15 Oct 2002 13:30:25 GMT                    Date of G-50A
content-type: text/xml                                 Fixed text
connection: close
content-length: 433                                    Length of the contents, which is between <?xml  to  </Packet>

<?xml version="1.0" encoding="UTF-8"?>
<Packet>                                               Fixed text. Command is 'getResponse'
  <Command>getResponse</Command>
  <DatabaseManager>
    <Mnet Address="0" ErrorSign="OFF" AlarmCode="8000" />
    <Mnet Address="1" ErrorSign="ON" AlarmCode="6607" />
    <Mnet Address="2" ErrorSign="OFF" AlarmCode="8000" />
    <Mnet Address="51" ErrorSign="OFF" AlarmCode="8000" />
    <Mnet Address="101" ErrorSign="OFF" AlarmCode="8000" />
  </DatabaseManager>                                   Fixed text
</Packet>
```

Error status and error code
If the unit doesn't set at G-50A, response error is sent.

Property of monitoring error code command

Property	Value	Info.
Address	"1" to "50"	Address number of air conditioners
ErrorSign	ON	Indoor unit (M-NET)
	OFF	Indoor unit (K control)
AlarmCode	"0000" to "8000"	Error code When operating correctly "8000" is sent.

Revision Log

Date	Mark	Page	Contents	Reason
04-01-26	A1	2	"FUN" to "FAN"	Error in writing
	A2	4	"FUN" to "FAN"	Error in writing
	A3	8	Model units of "OC" to "KA" are added	Model is added
	A4	9	Monitoring error code is added	Command is added